



# C3 Push-to-Close Latch

Pull-to-open · Grabber catch · Snap-in

- Spring-loaded over-centre latching
- One assembly includes catch and keeper

### Material and Finish

Housing: PC/ABS or glass-filled nylon

Keeper: Mineral filled nylon

### Performance Details

Operating temperature range: -30°C (-20°F) to 60°C (140°F)

Flammability rating: UL94-HB

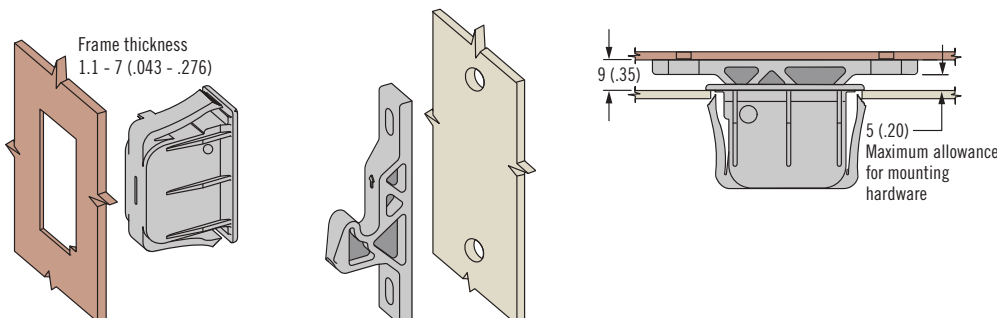
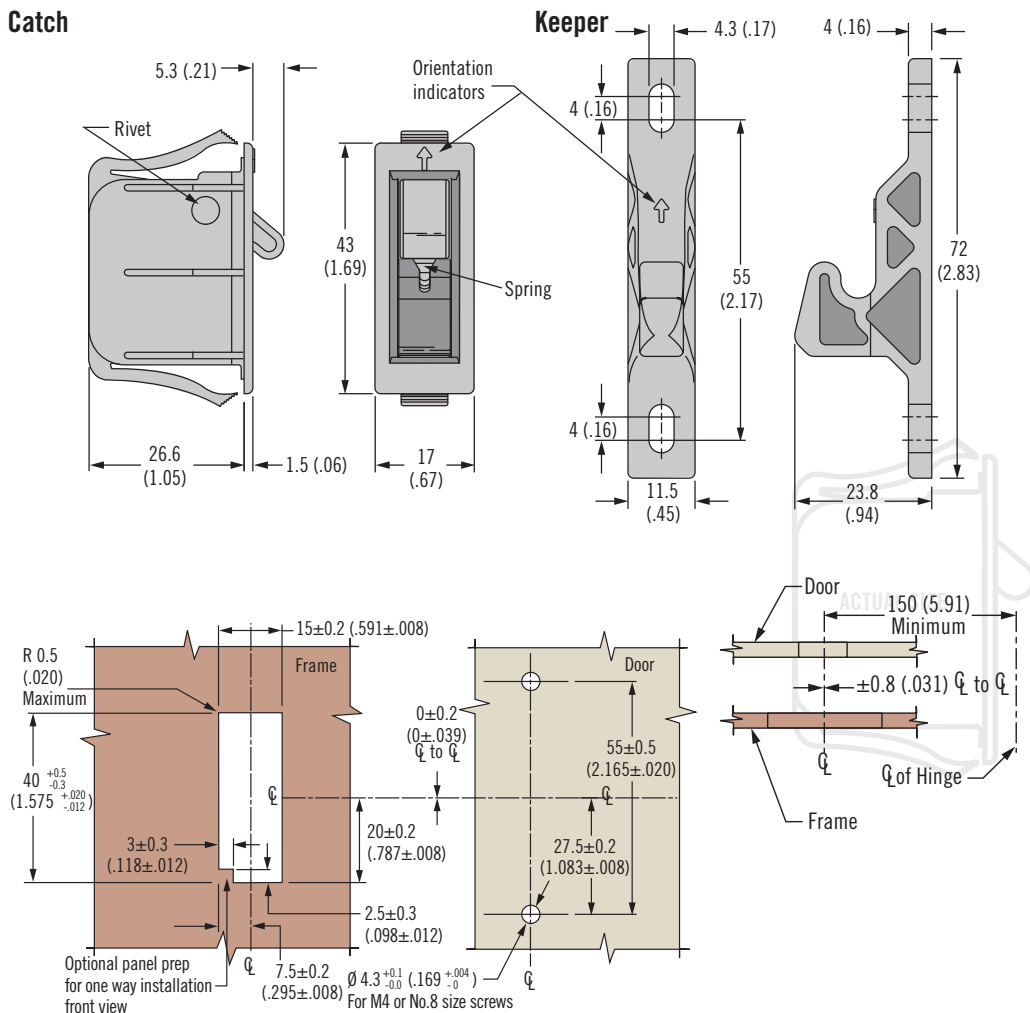
### Installation Notes

Max. tightening torque on mounting screws (not supplied)

Keeper: 2.8 N·m (24.8 in·lbf)

Orient **keeper** to latch. The arrow on the keeper should point towards the cam. Mount to door and adjust for smooth latching

### Catch



### Part Number

See table

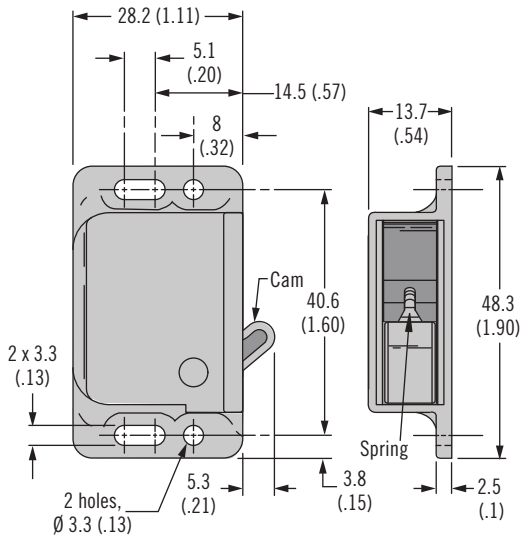
Approximate Pull-Up Force	Spring Color	Part Number		
		Frame Thickness Range		
		1.1 - 2.9 (.043 - .114)	2.9 - 5.3 (.114 - .209)	5.3 - 7 (.209 - .276)
13 N	Blue	C3-303	C3-503	C3-703
22 N	Silver	C3-305	C3-505	C3-705
44 N	Black	C3-310	C3-510	C3-710

# C3 Push-to-Close Latch

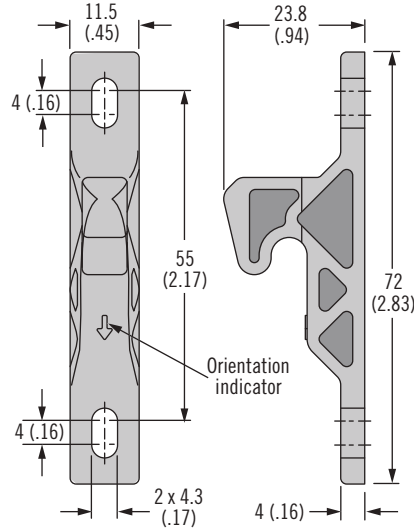
Pull-to-open · Grabber catch · Side mount



## Catch



## Keeper



- Spring-loaded over-center latching
- One assembly includes catch and keeper

### Material and Finish

Housing: PC/ABS or glass-filled nylon

Keeper: Mineral filled nylon

### Performance Details

Operating temperature range: -30°C (-20°F) to 60°C (140°F)

Flammability rating: UL94-HB

### Installation Notes

Max. tightening torque on mounting screws: (not supplied)

Catch: 1.1 N·m (9.7in·lbf)

Keeper: 2.8 N·m (24.8in·lbf)

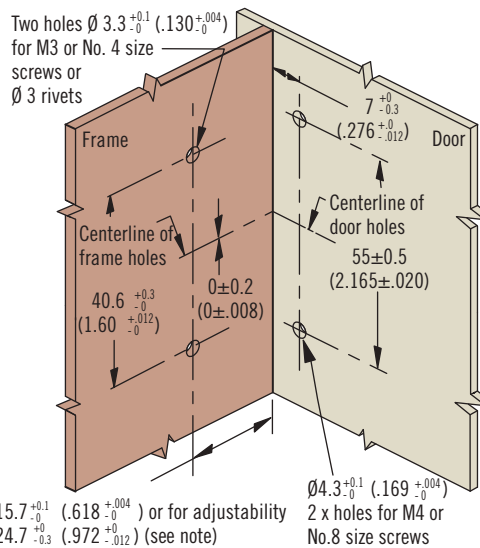
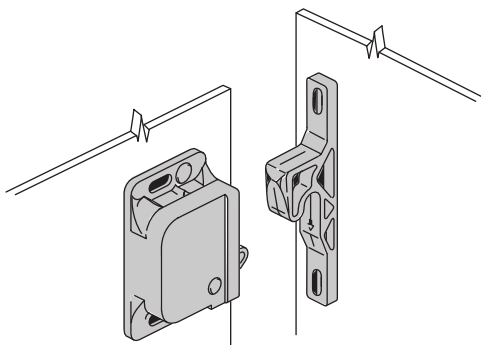
Orient **keeper** to latch. The arrow on the keeper should point towards the cam. Mount to door and adjust for smooth latching.

Min. distance from frame (or surface on which catch sub-assembly is mounted) to centreline of door hinge is 150 (5.9)



### Right Side Installation Shown

Invert catch and keeper for left side installation



Note: These holes and dimensions are used only if adjustability through the use of slotted holes in catch is desired.

Approximate Pull-Up Force	Spring Colour	Part Number
22 N	Blue	C3-803
25 N	Silver	C3-805
41 N	Black	C3-810

### Part Number

See table



# C3 Push-to-Close Latch

Pull-to-open · Grabber catch with integral Microswitch

- Opens and closes switch contacts with door operation
- One assembly includes catch and keeper
- Spring loaded over-centre latching

### Material and Finish

Housing: PC/ABS or glass-filled nylon

Keeper: Mineral filled nylon

### Performance Details

Operating temperature range: -40°C (-40°F) to 60°C (140°F)

Flammability rating: UL94-V0

### Installation Notes

Max. tightening torque on mounting screws (not supplied):

Catch 1.1 N·m (9.7 in·lbf)

Keeper 2.8 N·m (24.8 in·lbf)

Orient **keeper** to latch. The arrow on the keeper should point towards the cam. Mount to door and adjust for smooth latching.

### Notes

This product is specifically designed to be used as a mechanical grabber catch with an electric switch. The switch is designed to operate an indicator light or form part of a non-safety related logic circuit. This is not designed for use as a safety interlock.

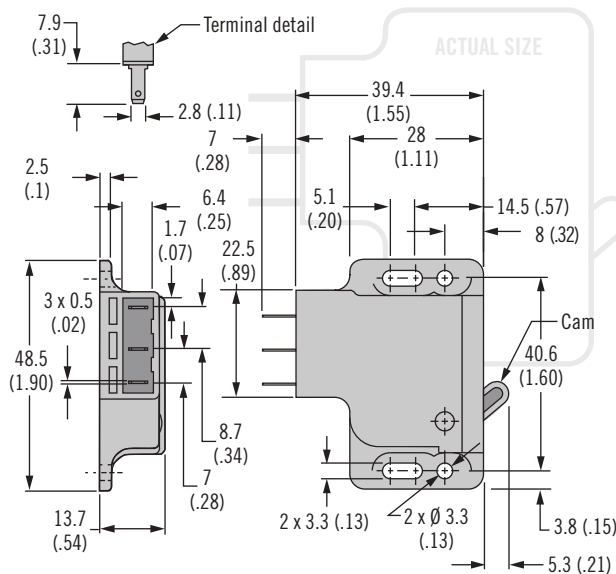
Terminal cover is used for protection during shipping only. Use strain relief on wires.

Min. distance from frame (or surface on which catch sub-assembly is mounted) to centreline of door hinge is 150 (5.9)

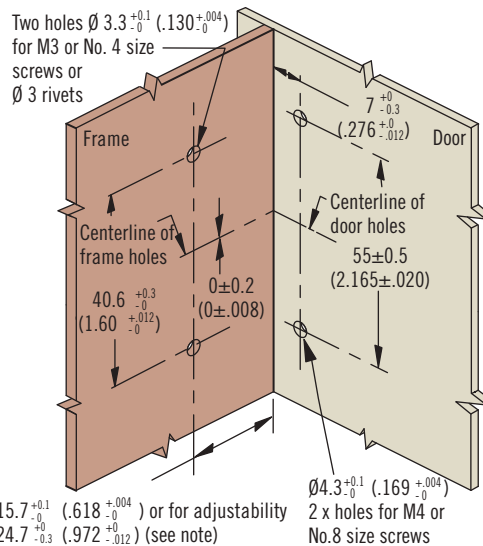
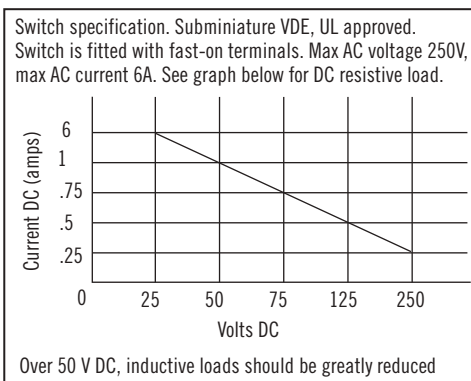
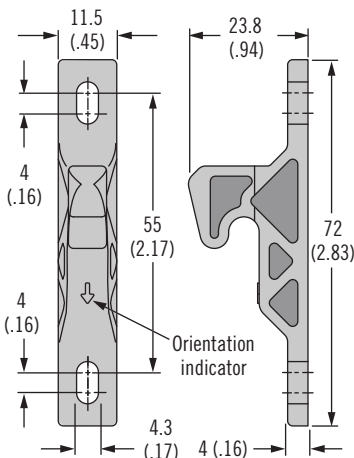
### Part Number

See table

### Catch

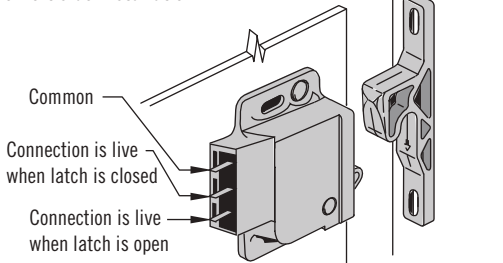


### Keeper



### Right Side Installation Shown

Invert catch and keeper for left side installation

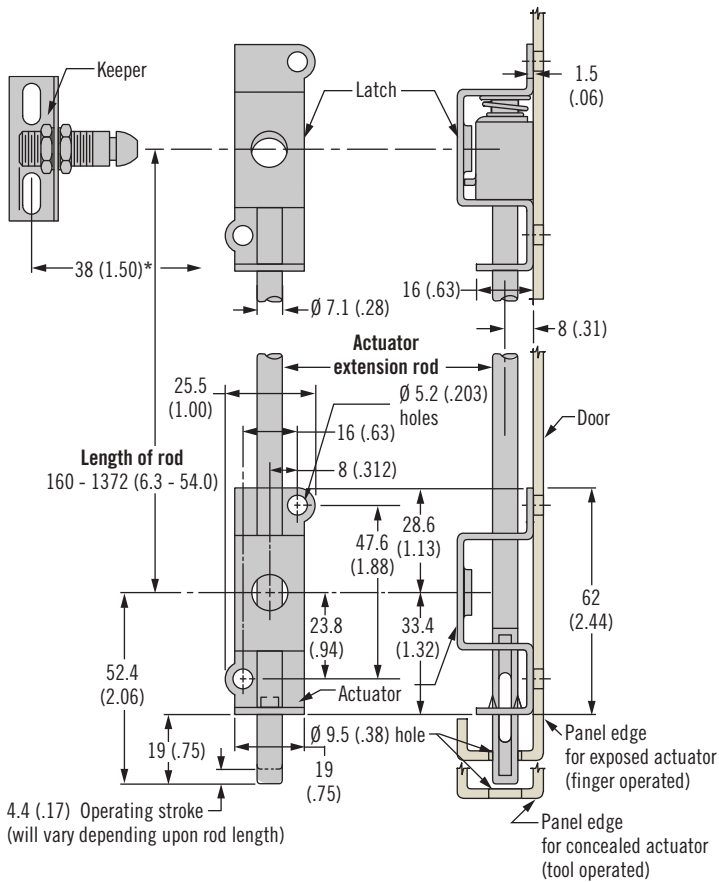


Note: These holes and dimensions are used only if adjustability through the use of slotted holes in catch is desired.

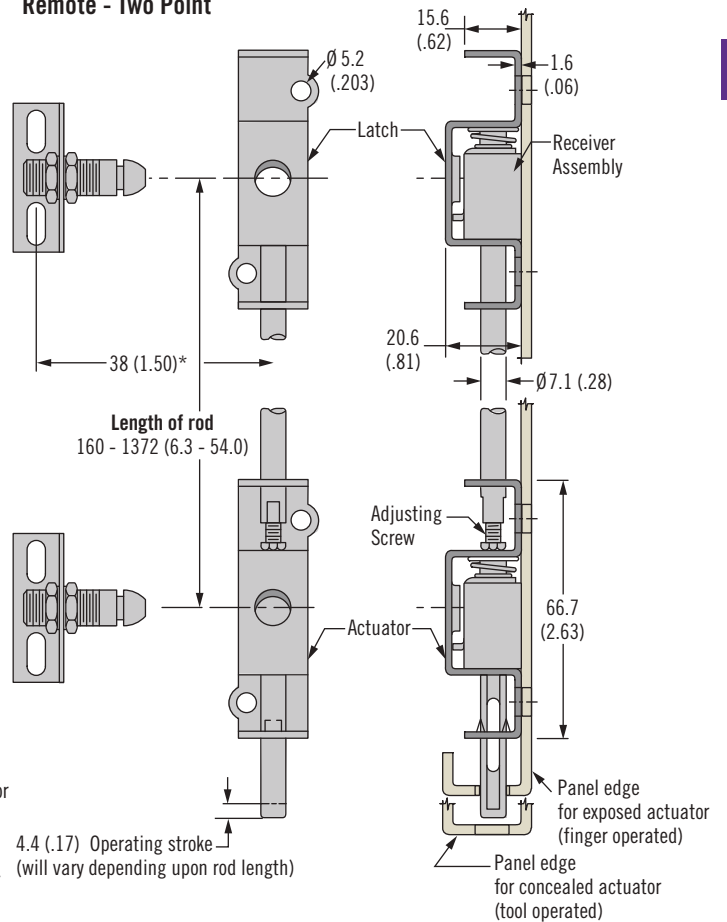
Approximate Pull-Up Force	Spring Colour	Part Number
13 N (3 lbf)	Blue	C3-1803
22 N (5 lbf)	Silver	C3-1805
44 N (10 lbf)	Black	C3-1810



**Remote - Single Point**



**Remote - Two Point**



Remote Single Point Part Number	
Fixed keeper	E2-55-101-10
Floating keeper	E2-55-102-10
Rod 500 mm	E2-46-0500-16
Rod 1250 mm	E2-46-1250-16
Latch	E2-92-101
Actuator	E2-91-101

Remote Two Point Part Number	
Fixed keeper	E2-55-101-10
Floating keeper	E2-55-102-10
Rod 500 mm	E2-42-0500-16
Rod 1250 mm	E5-42-1250-16
Latch	E2-92-102
Actuator	E2-93-102

A complete remote single point assembly consists of 4 components: keeper, rod, latch and actuator

A complete remote two point assembly consists of 6 components: keeper (quantity 2), latch (quantity 2), rod and actuator.

\* Adjustment formula is length of rod minus 30mm

To order rod lengths other than the standard lengths, use part number:

E2-42-XXX-16

(XXX = length in mm)

Min. = 160 mm

Max. = 1372 mm

Min. order = 50 units

# A4 Push-to-Close Latch

## Push-to-open · Large



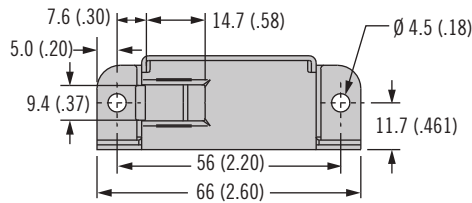
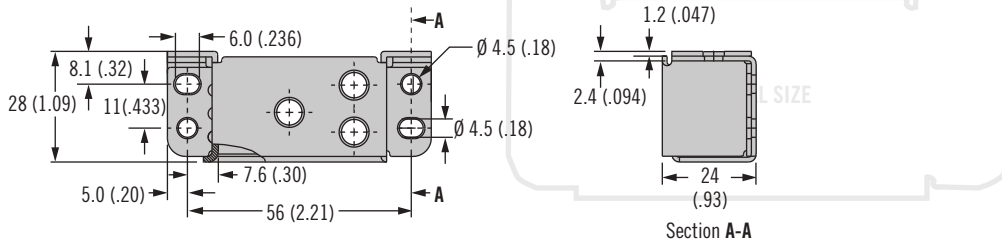
- Heavy-duty construction
- Push-to-close, push-to-open

### Material and Finish

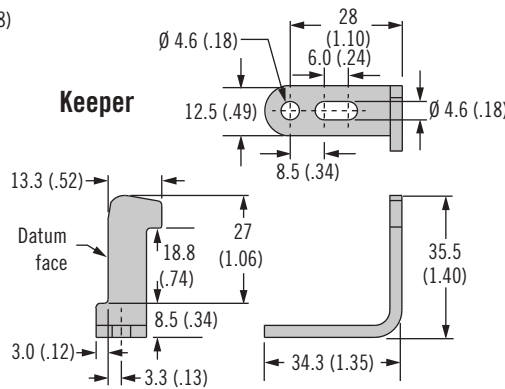
Steel, zinc plated

[www.southco.com/A4](http://www.southco.com/A4)

### Housing Assembly



### Keeper



Description	Part Number
Latch	A4-30-201-12
Keeper	A4-36-201-12

# A4 Push-to-Close Latch

## Push-to-open · Small

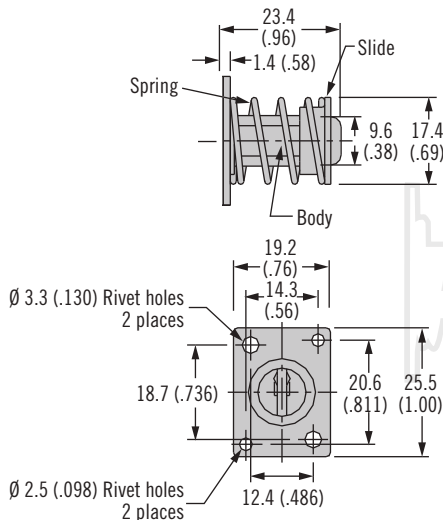


- Accommodates misalignment
- Push-to-close, push-to-open

### Material and Finish

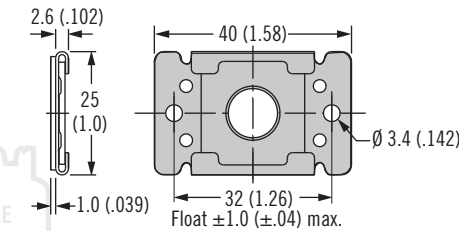
Steel, zinc plated and thermoplastic, black

### Pin Latch



### Optional Floating Receptacle

Notes: Floating part of receptacle faces pin latch



Part Number	
Pin latch	A4-20-501-10
Optional floating receptacle	A4-26-502-10



# E4 Push-to-Close Latch

Push-to-open · Touch latch · Small

- Concealed latch points
- Door ejection feature
- Snap-in installation

### Material and Finish

Latch and keeper: Acetal, black  
Alignment guide: Acetal, white

### Performance Details

Average tensile load: 15 N (3.5 lbf)

Operating temperature range:  
-40°C (-40°F) to 105°C (220°F)

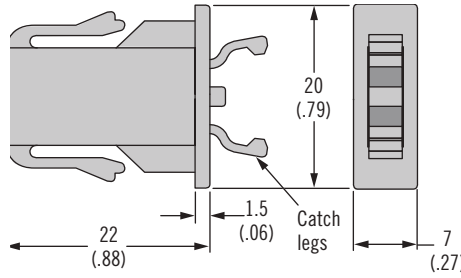
Flammability rating: UL94-HB

### Installation Notes

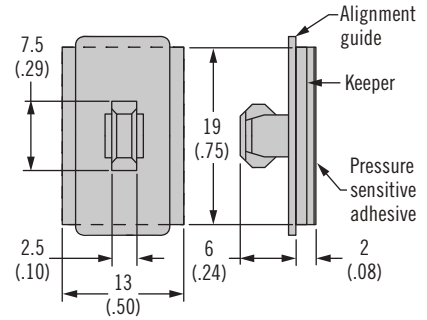
Be sure the mounting surface is clean and capable of retaining a satisfactory adhesive bond.

Self-adhesive keepers are designed to function under intermittent break-away loads

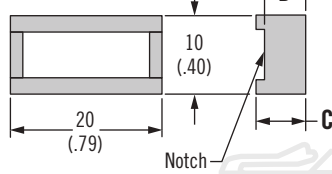
### Latch



### Keeper Assembly

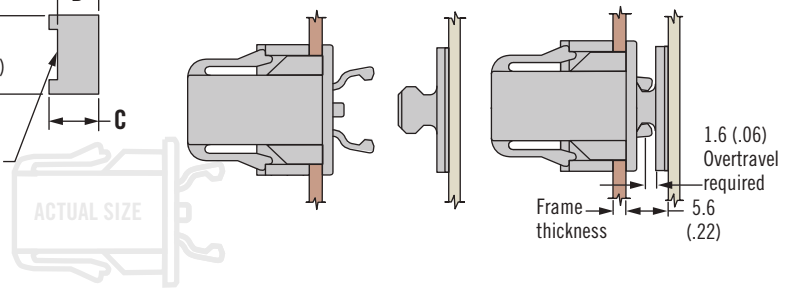


### Spacer



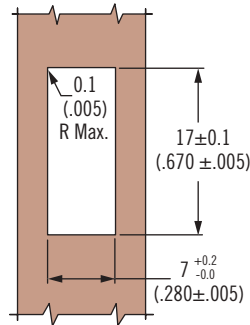
### Unlatched

### Latched



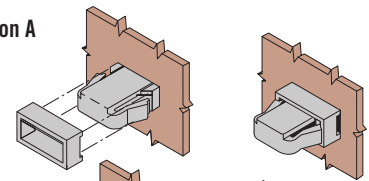
### Installation

1. Prepare frame. Snap latch into place.

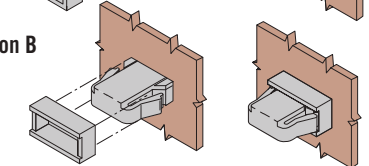


2. Install spacer (if required).

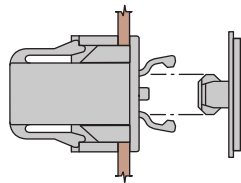
#### Position A



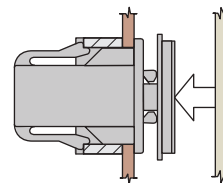
#### Position B



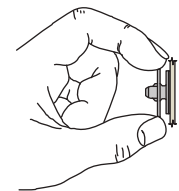
3. With alignment guide in place, engage keeper with latch. (If catch legs are retracted, push them into the latch housing to release before proceeding).



4. Peel protective backing from keeper. Close door against adhesive.



5. Remove alignment guide from keeper and discard.



### Part Number

See table

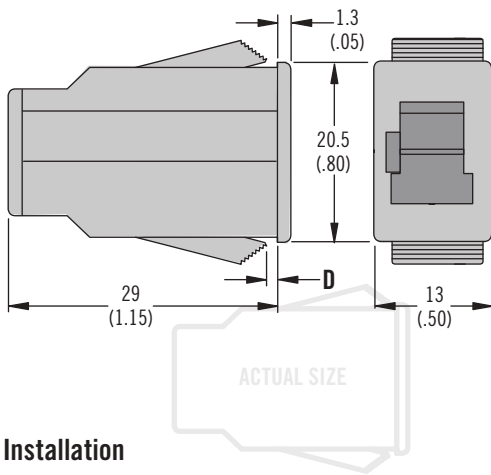
Frame Thickness		Part Number	Spacer Position Installed	Spacer Thickness		Spacer Colour
Min.	Max.			C	D	
0.8 (.030)	1 (.040)	E4-10-102-10	A	7.5 (.295)	6.9 (.270)	Black
1.4 (.055)	1.7 (.065)		B			
1.8 (.070)	2 (.080)	E4-10-103-10	A	6.5 (.255)	5.3 (.210)	Natural
2.9 (.115)	3.2 (.125)		B			
4.6 (.182)	4.9 (.192)	E4-10-104-10	A	3.6 (.143)	2 (.080)	Grey
6.2 (.245)	6.5 (.255)		B			
8.1 (.320)	8.6 (.340)	E4-10-101-10	Spacer not required			

# E4 Push-to-Close Latch

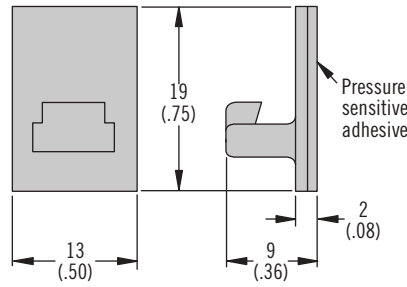
Push-to-open · Touch latch · Large



## Latch



## Keeper Assembly



- Concealed latch points
- Door ejection feature
- Snap-in installation

## Material and Finish

Latch and keeper: Acetal, black and thermoplastic polyester, black

## Performance Details

Average tensile load:  
 Self-adhesive keeper: 50 N (11 lbf)  
 Integrally moulded keeper: 120 N (27 lbf)

Operating temperature range:  
 -40°C (-40°F) to 105°C (220°F)

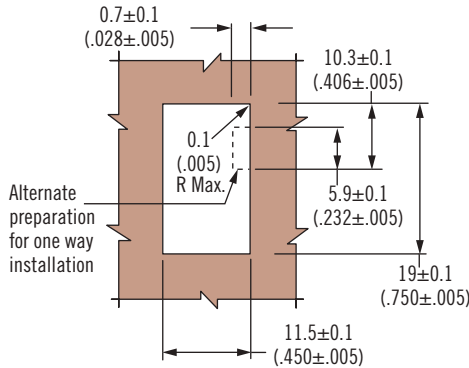
Flammability rating: UL94-HB

## Installation Notes

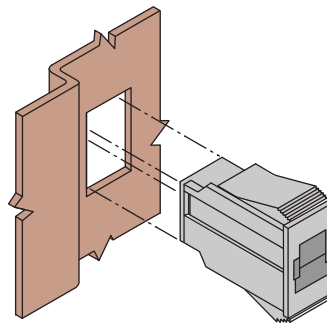
Be sure the mounting surface is clean and capable of retaining a satisfactory adhesive bond. Keeper can be moulded into application door  
 Self-adhesive keepers are designed to function under intermittent break-away loads

## Installation

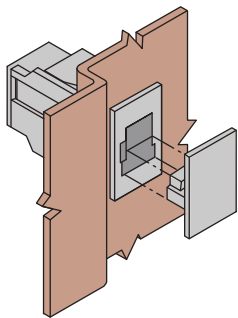
1. Prepare frame



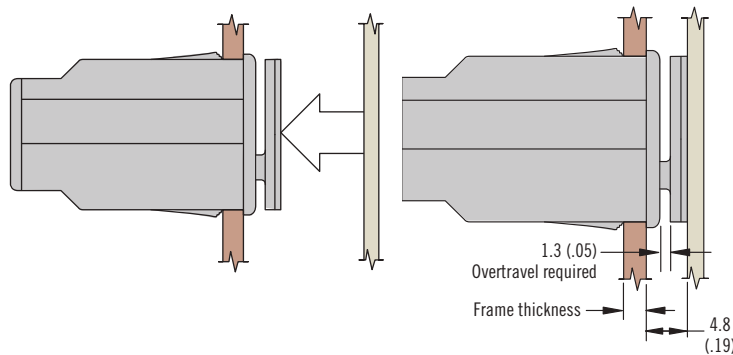
2. Snap latch into place



3. Re-engage keeper with latch



4. Peel protective backing from keeper  
 Close door against adhesive



Frame Thickness		D	Part Number
Min.	Max.		
1 (.04)	3 (.12)	0.9 (.035)	E4-10-201-10
3 (.12)	5 (.20)	2.9 (.115)	E4-10-202-10
5 (.20)	7 (.28)	4.9 (.196)	E4-10-203-10

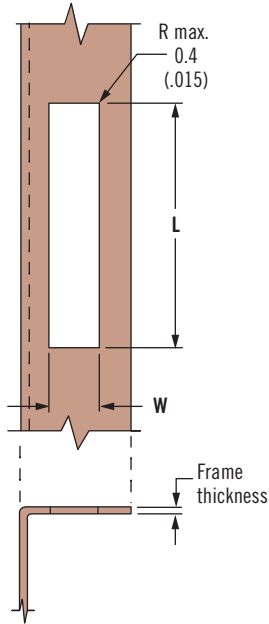
## Part Number

See table

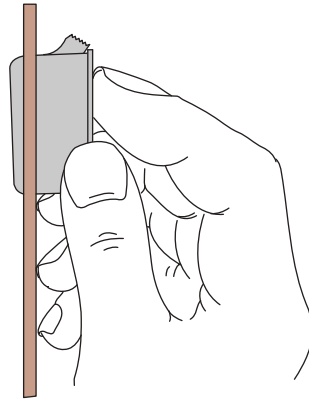


**Installation**

1. Punch rectangular slot

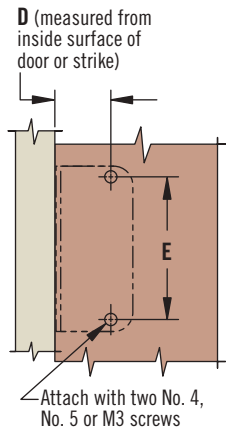
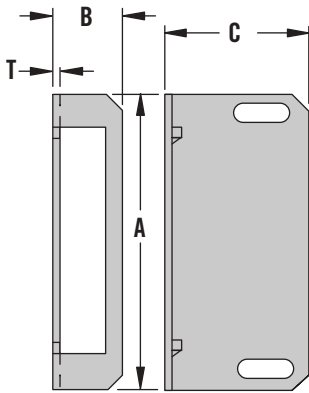


2. Snap catch into slot



**Mounting Bracket**

For applications where frame is not suitable for punching (order separately)



- Snap-in installation
- Optional side mount bracket

**Installation Notes**

Size	L ±0.1	W ±0.1
Small	22.2 (.875)	6.4 (.25)
Medium	38.1 (1.50)	8.1 (.32)
Large	57.1 (2.25)	9.6 (.38)
Double magnet	57.1 (2.25)	21 (.828)

Size	A	B	C	D	E ±0.1	T	For Use with these Magnets ONLY	Bracket Part Number
Small	41.3 (1.63)	11.1 (.44)	13.5 (.53)	7.9±2.4 (.31±.09)	35 (1.38)	1 (.042)	02-10-301-10 02-10-301-20	02-16-301-11
Medium	51 (2.00)	12.7 (.50)	24.6 (.97)	17.5±3.2 (.69±.13)	44.5 (1.75)		02-10-101-10 02-10-101-20	02-16-101-11
Large	76 (3.00)	14.3 (.56)	18.7 (.73)	12.7±3.2 (.50±.13)	70 (2.75)		02-10-201-10 02-10-201-20	02-16-201-11
Large double magnet	76 (3.00)	25.4 (1.00)	18.7 (.73)	12.7±3.2 (.50±.13)	70 (2.75)	1.6 (.062)	02-10-801-10	02-16-801-11

**Part Number**

See table



# 02 Push-to-Close Latch

Pull-to-open · Magnetic catch · Snap-in

- Round hole
- Snap-in installation
- Adhesive installation
- Optional side mount bracket

### Material and Finish

Housing: Polypropylene, black  
 Pole pieces: Steel, zinc plated  
 Magnet: Barium ferrite

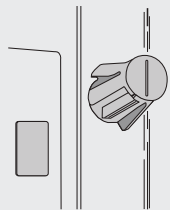
### Performance Details

Size	Average breakaway force
100 series	46 N (10 lbf)
200 series	64 N (14 lbf)
300 series	8 N (1.8 lbf)
400 series	18.5 N (4.2 lbf)
600 series	49 N (11 lbf)

Operating temperature range:  
 -30°C (-20°F) to 115°C (240°F)  
 Flammability rating: UL94-HB

### Installation Notes

For non-ferrous applications.  
 Screw-mounted and adhesive backed strikes are available.  
 Order separately. See page 249.



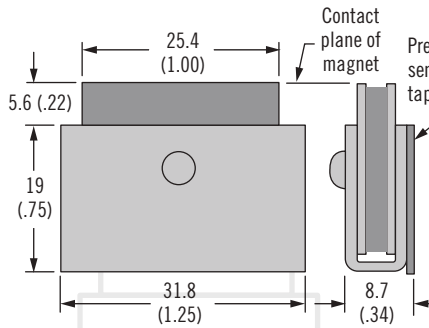
### Notes

Performance values shown are supplied as a general guide only

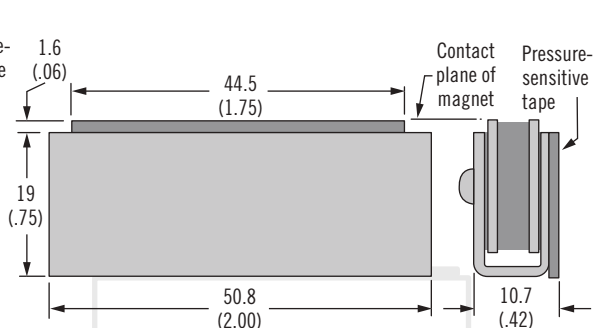
### Part Number

See table

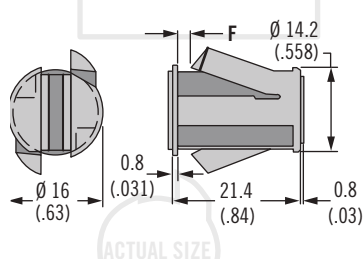
### Series 100 - Part Number 02-30-121-10



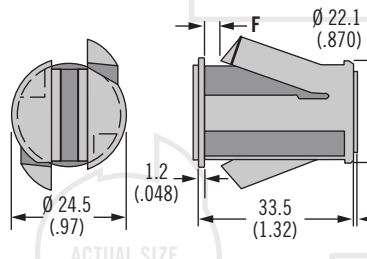
### Series 200 - Part Number 02-30-221-10



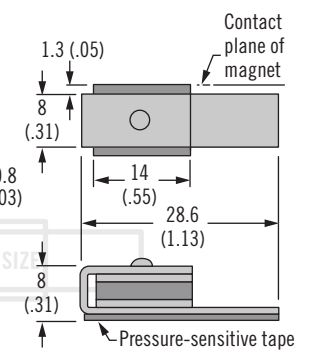
### Small - 400 Series



### Large - 600 Series

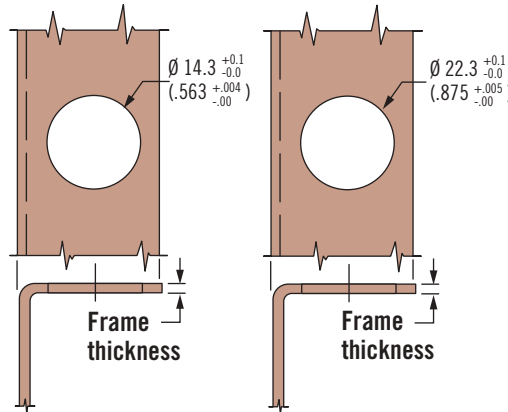


### Series 300 - Part Number 02-30-321-10

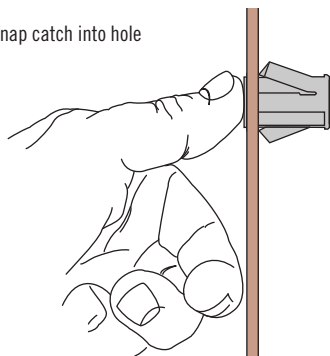


### Installation

1. Drill or punch hole

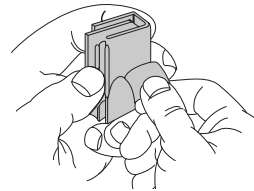


2. Snap catch into hole

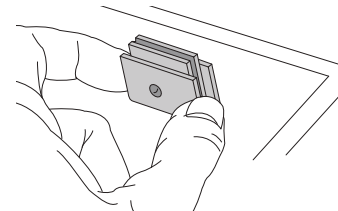


### Installation

1. Remove protective paper



2. Place in position



**Notes:** Be sure the mounting surface is clean and capable of retaining a satisfactory adhesive bond

Size	ØD	F	Frame Thickness		Magnet Part Number
			Minimum	Maximum	
Small	Ø 14.3 <sup>+0.1</sup> / <sub>-0.0</sub> (0.563 <sup>+0.004</sup> / <sub>-0.0</sub> )	0.8 (.030)	0.5 (.020)	2 (.080)	02-20-411-10
		2.3 (.090)	2 (.080)	3.5 (.140)	02-20-412-10
		3.8 (.150)	3.5 (.140)	5 (.200)	02-20-413-10
Large	Ø 22.3 <sup>+0.1</sup> / <sub>-0.0</sub> (0.875 <sup>+0.005</sup> / <sub>-0.0</sub> )	0.5 (.020)	0.5 (.020)	2 (.080)	02-20-611-10
		2 (.080)	2 (.080)	3.5 (.140)	02-20-612-10
		3.5 (.140)	3.5 (.140)	5 (.200)	02-20-613-10

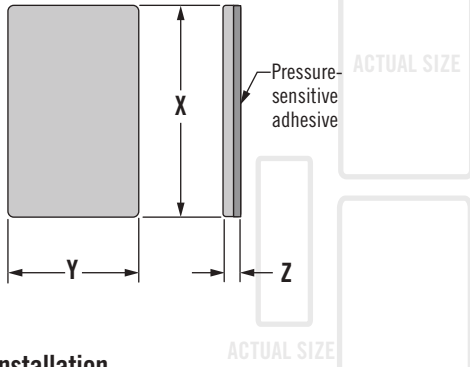
Dimensions in millimeters (inch) unless otherwise stated

# 02 Push-to-Close Latch

## Steel strikes

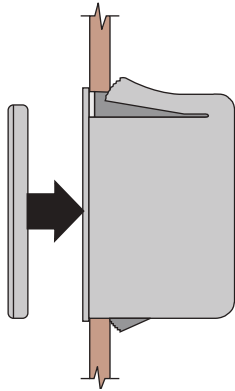


### Self-adhesive



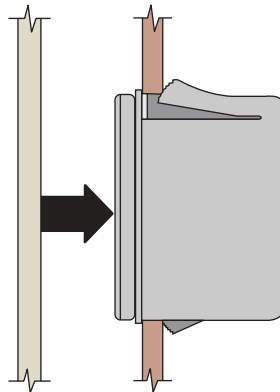
### Installation

1. Position strike on installed catch



For Use with Series Catch	Strike Part Number	X	Y	Z
300	02-14-301-14	24	8	2
400		(.94)	(.31)	(.08)
100	02-14-101-14	32	19	2.4
600		(1.25)	(.75)	(.094)
200	02-14-201-14	51	19	2.4
800		(2.00)	(.75)	(.094)

2. Remove protective paper. Close door or panel onto strike



- Ferrous keepers for magnet catch
- Self-adhesive or screw mount

### Material and Finish

Steel, zinc plated

Adhesive:

Neoprene foam with acrylic

### Installation Notes

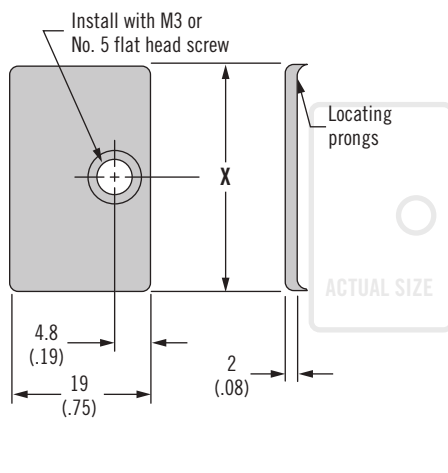
Be sure the mounting surface is clean and capable of retaining a satisfactory adhesive bond.

Self-adhesive mounted strikes are designed to function under intermittent break-away loads. Use screw-mounted strikes for continuous load applications.

### Part Number

See table

### Screw-Mounted



For Use With Series Catch	Strike Part Number	X
100	02-14-102-11	32 (1.25)
600		
200	02-14-202-11	51 (2.00)
800		



## MT Push-to-Close Latch

Pull-to-open · Cabinet catches

- Ergonomic design
- Dampening pad to eliminate door slam

### Material and Finish

Latch: Acetal, black

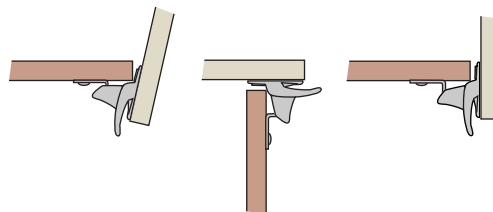
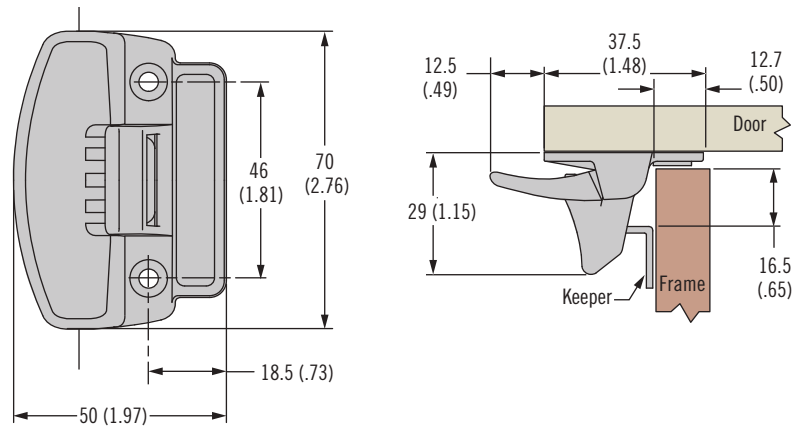
Keeper: Steel, zinc plated

### Part Number

See table

Latch and keeper supplied

### Latch



Colour	Part Number
Black	MT-02-10-5



# M1 20 Series Compression Latch

Cast 316 stainless steel · Lift & turn · Adjustable grip  
50mm (2") size

- Consistent pre-set compression
- Easy grip adjustment
- Flush round hole install

### Material and Finish

Cast 316 grade stainless steel

### Performance Details

Short cam

Maximum static load:  
460 N (103 lbf)

Long cam

Maximum static load: 350 N (78 lbf)

### Sealing Notes

NEMA 4 / IP66 sealing is achieved by using supplied flange gasket

### Keys

Lock style 8

Part number: M1-546



Lock style 9

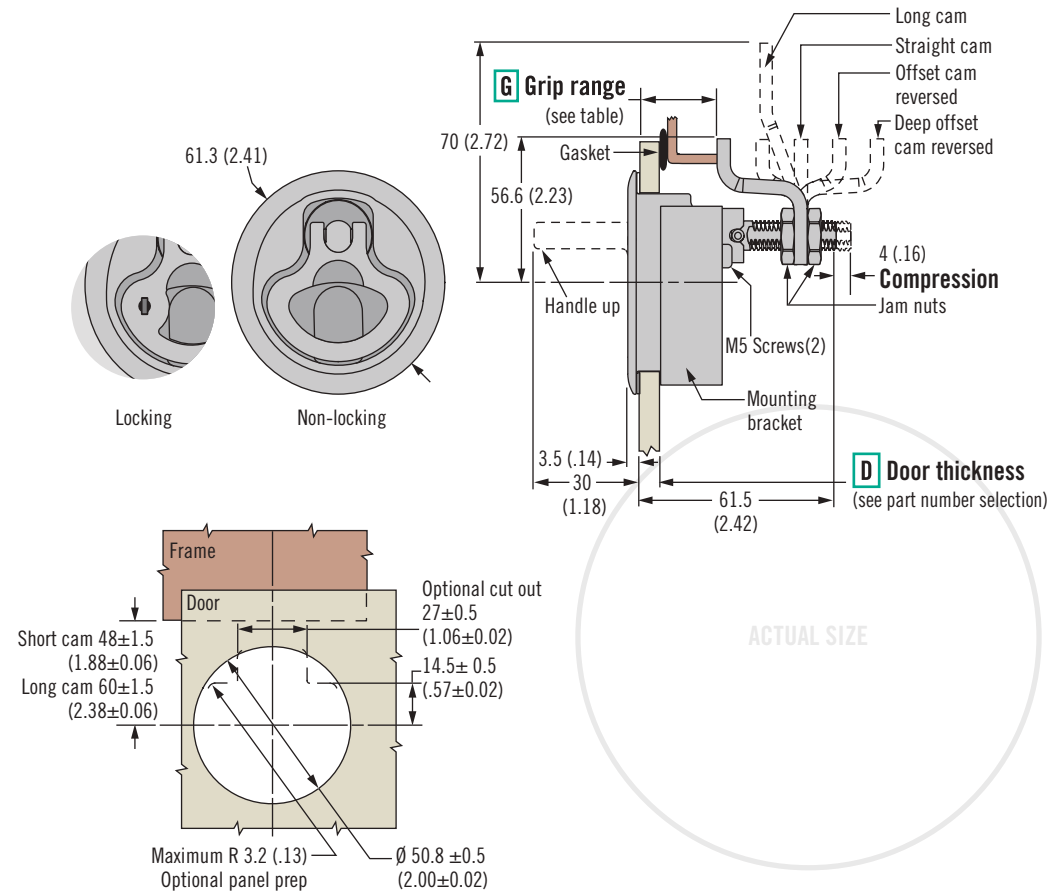


Part number: M1-525-39-S008

### Part Number Selection

See table

See page 257 for complimentary styled push to close version



**L Lock style**

- 3 Non-locking
- 8 Locking (2 keys supplied)
- 9 Key-locking keyed alike S008 (2 overmolded keys supplied)

**F Finish**

- 6 Stainless steel, Black PVD
- 8 Stainless steel

**M1 - 20 - L D - G F**

D	Door Thickness	Grip Adjustment Value
1	2 - 12 (.075 - .475)	19 (.75)
2	12 - 22.5 (.475 - .885)	9 (.35)
3	18.5 - 29 (.73 - 1.14)	2.5 (.10)

G Grip Range		
Short cam		
5	21 - 28 (.83 - 1.10)	Deep offset forward
4	27 - 40 (1.06 - 1.57)	Offset forward
3	39 - 52 (1.54 - 2.05)	Straight
4	51 - 64 (2.01 - 2.52)	Offset reversed
5	63 - 76 (2.48 - 3.00)	Deep offset reversed
Long cam		
8	21 - 28 (.83 - 1.10)	Deep offset forward
7	27 - 40 (1.06 - 1.57)	Offset forward
6	39 - 52 (1.54 - 2.05)	Straight
7	51 - 64 (2.01 - 2.52)	Offset reversed
8	63 - 76 (2.48 - 3.00)	Deep offset reversed

### Note

All grips of 35 (1.38) or below, highlighted in   , in the table above, are potentially a function of door thickness and may not always be achievable, depending on actual door thickness used. In this range of grips, the minimum achievable grip will be limited to actual door thickness + grip adjustment value, or the minimum values shown in the table, whichever is greater.

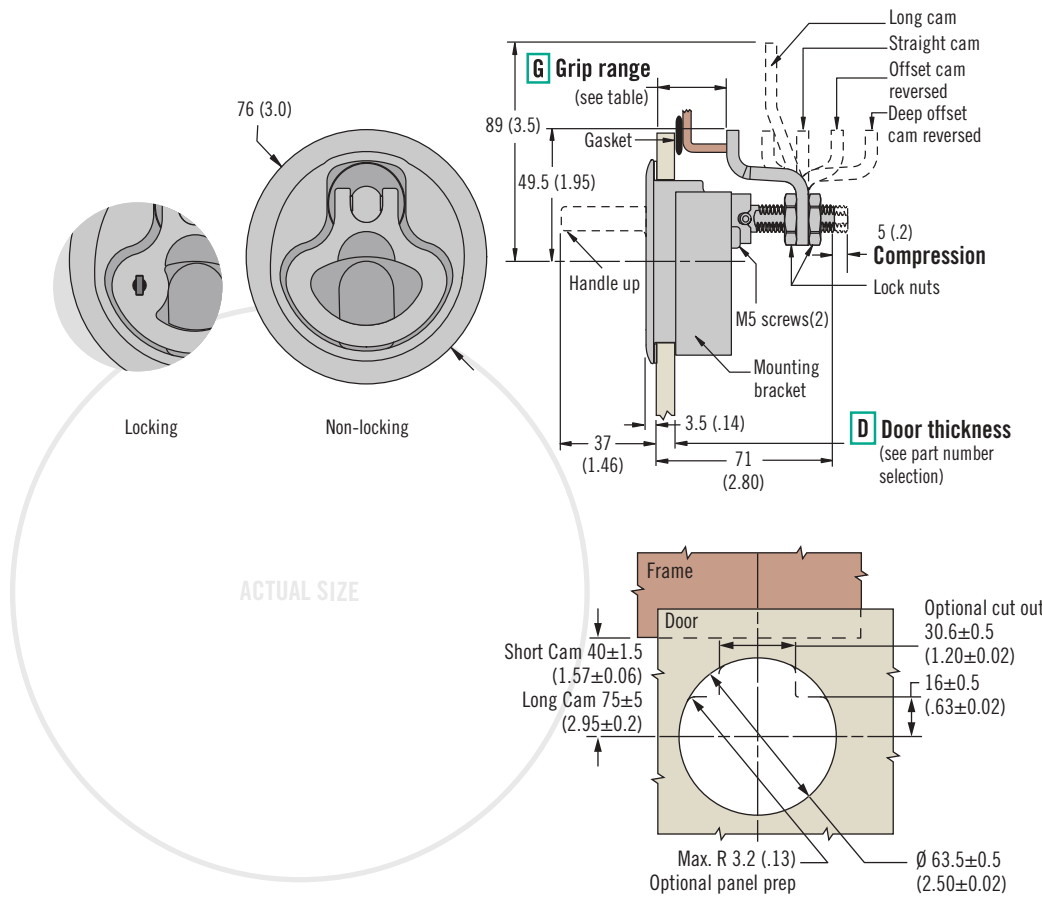
### Examples:

For a door thickness of 4mm, the minimum achievable grip is 23 and is achieved with a deep offset cam in the forward position. (4 + 19 = 23)

For a door thickness of 20mm, the minimum achievable grip is 29 and is achieved with an offset cam in the forward position. (20 + 9 = 29)

# M1 25 Series Compression Latch

Cast 316 stainless steel · Lift & turn · Adjustable grip  
64mm (2.5") size



- Consistent pre-set compression
- Easy grip adjustment

### Material and Finish

Stainless steel cast 316 grade

### Performance Details

Short cam

Maximum static load:  
1010 N (227 lbf)

Long cam

Maximum static load: 350 N (78 lbf)

### Sealing Notes

NEMA 4 / IP66 sealing is achieved by using supplied flange gasket

### Keys

Lock style 8

Part number: M1-546

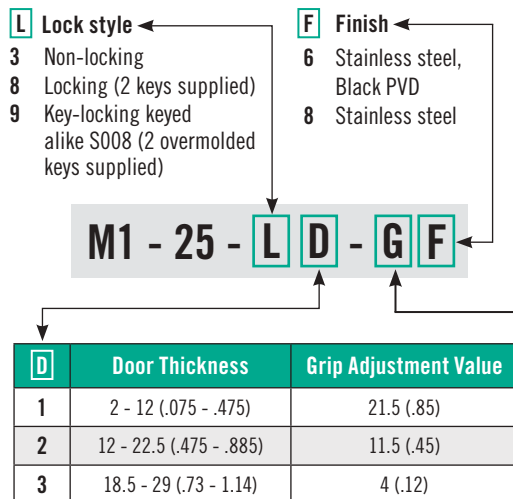
Lock style 9

Part number: M1-525-39-S008

### Part Number Selection

See table

See page 258 for complimentary styled push to close version



G Grip Range		
Short cam		
5	23.5 - 35 (.92 - 1.38)	Deep offset forward
4	34 - 48 (1.34 - 1.89)	Offset forward
3	47 - 61 (1.85 - 2.40)	Straight
4	60 - 75 (2.36 - 2.95)	Offset reversed
5	74 - 88 (2.91 - 3.47)	Deep offset reversed
Long cam		
8	23.5 - 35 (.92 - 1.38)	Deep offset forward
7	34 - 48 (1.34 - 1.89)	Offset forward
6	47 - 61 (1.85 - 2.40)	Straight
7	60 - 75 (2.36 - 2.95)	Offset reversed
8	74 - 88 (2.91 - 3.47)	Deep offset reversed

### Note

All grips of 33.5 (1.32) or below, highlighted in  , in the table above, are potentially a function of door thickness and may not always be achievable, depending on actual door thickness used. In this range of grips, the minimum achievable grip will be limited to actual door thickness + grip adjustment value, or the minimum values shown in the table, whichever is greater.

### Examples:

For a door thickness of 4mm, the minimum achievable grip is 25.5 and is achieved with a deep offset cam in the forward position. (4 + 21.5 = 25.5)

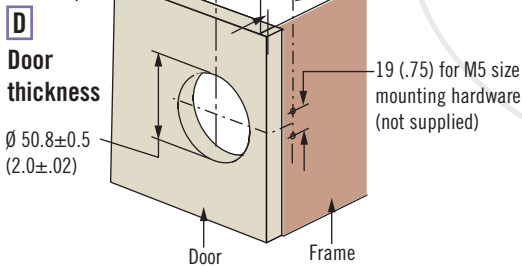
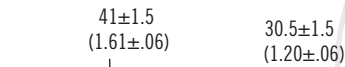
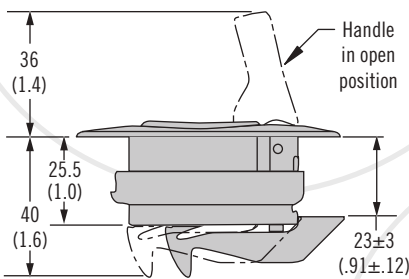
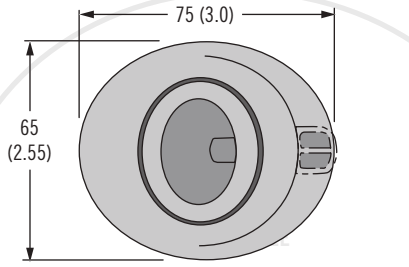
For a door thickness of 20mm, the minimum achievable grip is 31.5 and is achieved with a deep offset cam in the forward position. (20 + 11.5 = 31.5)

# MP Push-to-Close Latch

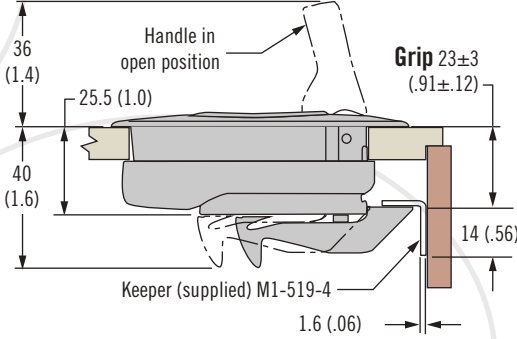
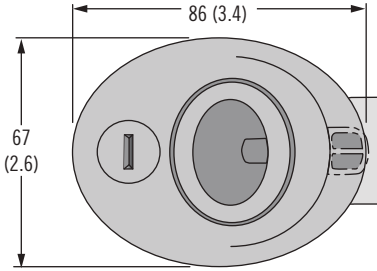
## 50mm (2") size · Plastic



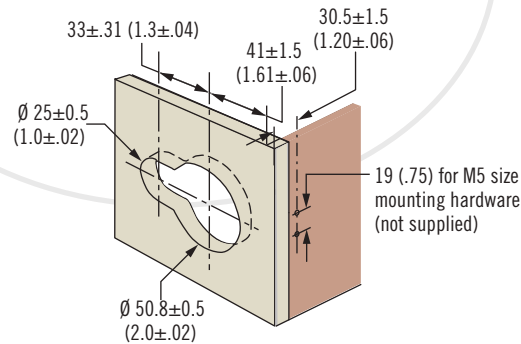
### Non-Locking



### Locking



ACTUAL SIZE



- Adjustable Grip
- Round-hole installation
- Inside actuation when locked or unlocked

### Material and Finish

Housing cover, cup and handle: Stainless steel 316 grade, electropolished

Housing: PC/PBT blend, black or white

### Performance Details

Max. working load: 270 N (60 lbf)

Operating temperature range: -18°C (0°F) to 60°C (140°F)

Flammability rating: UL94-HB

### Installation Notes

Max. tightening torque on mounting screws (supplied): 1.7 N·m (15 in·lbf)

### Accessories

Keeper

Part number: M1-519-4

Key 948 (pair)

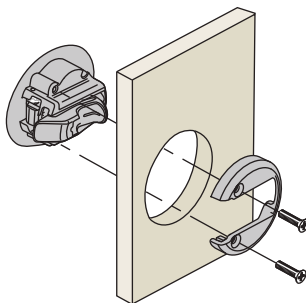
Part number: MF-97-948-41



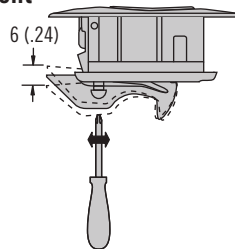
Replacement mounting screw

Part number: MP-520-28-4

### Installation



### Grip Adjustment



### Part Number Selection

**MP - 03 - 1 L D - F 0**

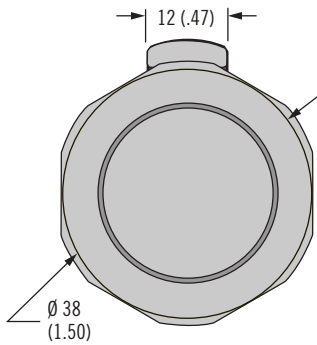
- L** Lock style
  - 0 Non-locking
  - 1 Key-locking keyed alike 948 (2 keys supplied)
- D** Door thickness
  - 0 10 - 16 (.39 - .63)
  - 1 16 - 22 (.63 - .87)
- F** Finish
  - 00 316 Stainless cover over black housing
  - 55 Black housing
  - 77 White housing

# M1 Push-to-Close Latch

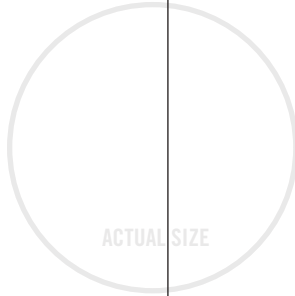
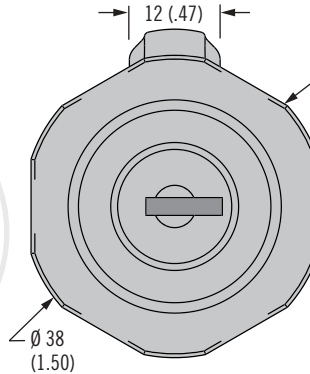
## Turn-to-open



### Non-Locking



### Locking



- Single, round-hole installation
- Flush pop out knob
- Corrosion-resistant materials

### Material and Finish

PC/ABS, black or chrome plated

### Performance Details

Max. working load: 310 N (70 lbf)

Operating temperature range:  
-30°C (-22°F) to 60°C (140°F)

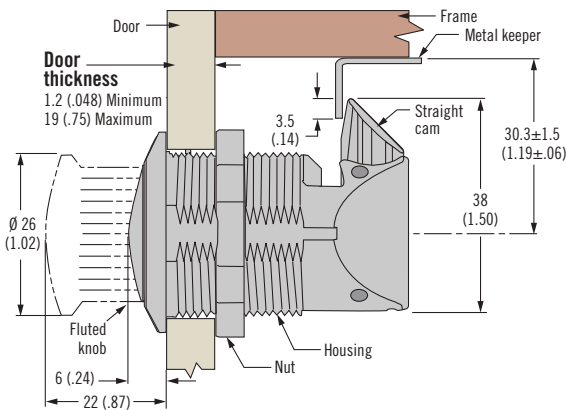
Flammability rating: UL94-HB

### Installation Notes

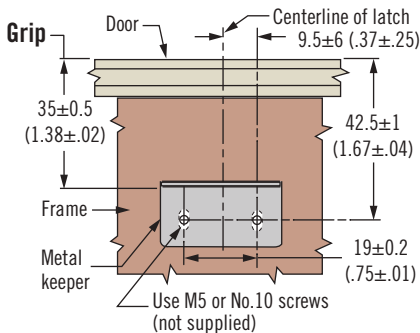
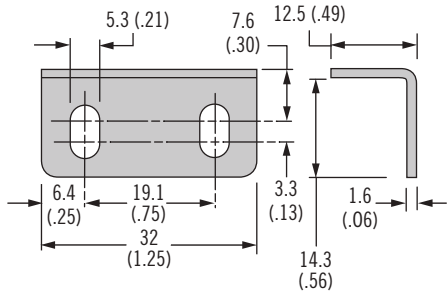
Max. tightening torque on mounting nut:  
4.2 N·m (37 in·lbf)

### Accessories

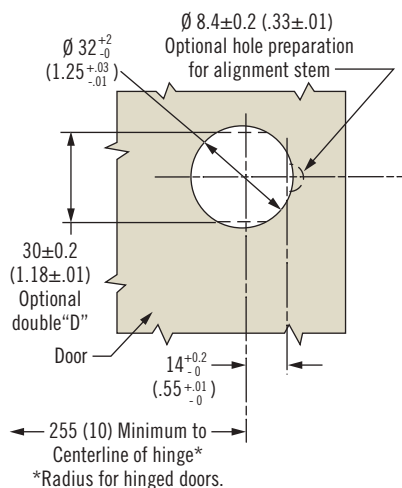
Replacement Keeper  
Part number: M1-519-4



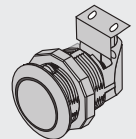
### Keeper



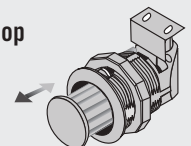
### Installation



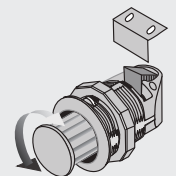
### Closed



### Push To Pop Out Knob



### Turn Knob To Open



### Part Number

See table

Finish	Part Number	
	Non-locking	Locking
Chrome	M1-2A-13-1	-
Black	M1-2A-13-5	M1-2A-23-5



# MP Point Push-to-Close Latch

## Pull-to-open

- Single, round-hole installation
- Flush pop out knob
- Corrosion-resistant materials
- Keeper sold separately

### Material and Finish

Housing: Glass-filled nylon

Flange and knob: Zinc alloy, plated

Cam: Zinc alloy

Fixed keeper: Stainless steel

Hooded keeper: Nylon, black

### Installation Notes

Maximum tightening torque on mounting nut: 4.5 N·m (40 in·lbf)

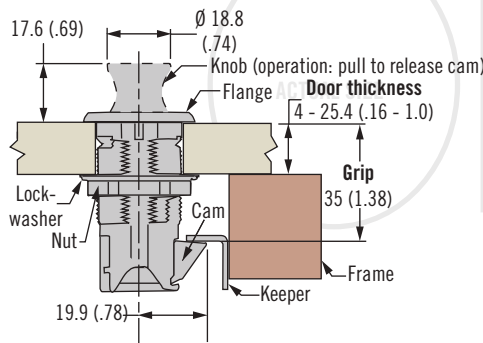
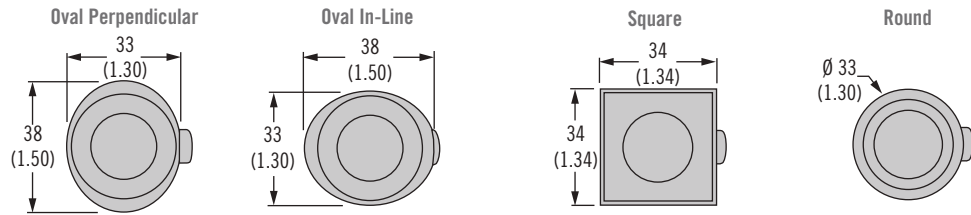
Fixed keeper: Use M5 or No. 10 screws to mount (not supplied)

Hooded keeper: Use M5 or No. 10 screws to mount (not supplied)

### Accessories

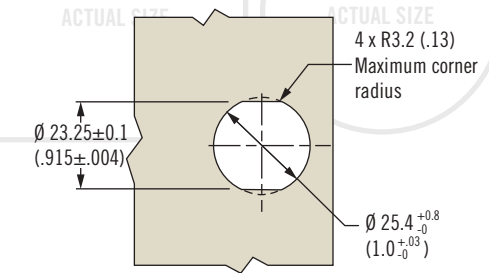
Matching pulls available see page 597

### H Housing Style

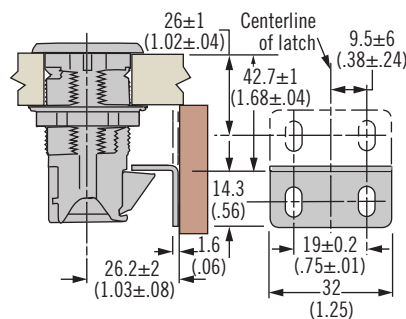


### Installation

Latch Only (for keeper installation below)

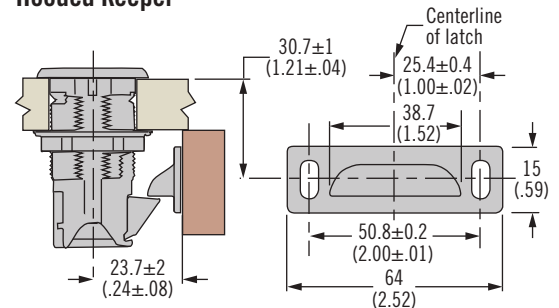


### Fixed Keeper



**Fixed Keeper**  
M1-519-4

### Hooded Keeper



**Hooded Keeper**  
MP-510-16-4

### Part Number Selection

Latch only, keepers sold separately.

#### H Housing style

- 11 Oval perpendicular
- 12 Oval in-line
- 21 Square
- 31 Round

**MP - 05 - H 2 - F K**

#### F Flange finish

- 1 Chrome plated
- 2 Satin chrome plated
- 3 Brushed nickel plated
- 5 Black powder coated

#### K Knob finish

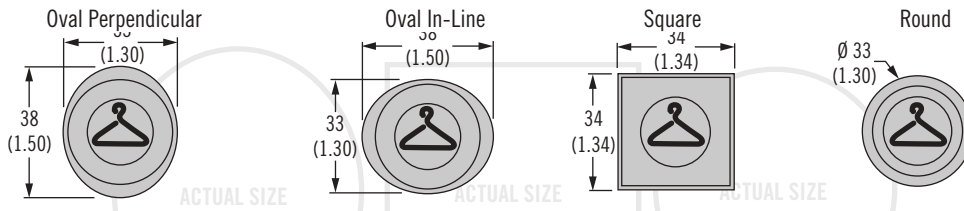
- 1 Chrome plated
- 2 Satin chrome plated
- 3 Brushed nickel plated
- 5 Black powder coated

# MP Point Coat Hook

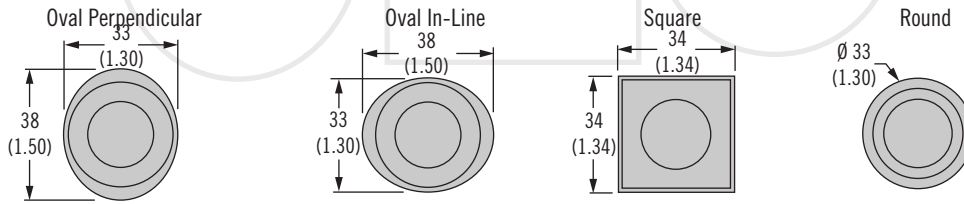
## Pop-up hook



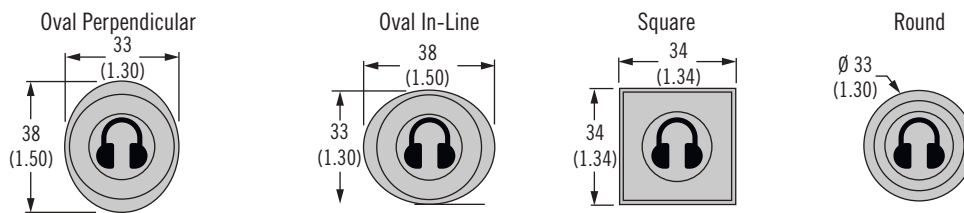
**H Housing Style** (with hanger image, **I** = 2)



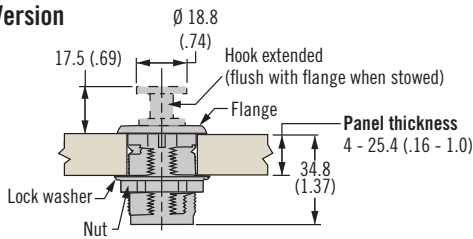
**H Housing Style** (without hanger image, **I** = 3)



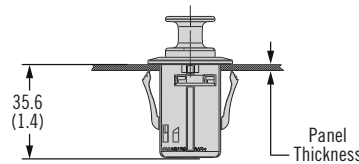
**H Housing Style** (with headset image, **I** = 4)



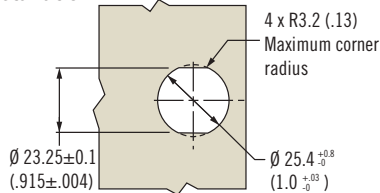
**Mounting Nut Version**



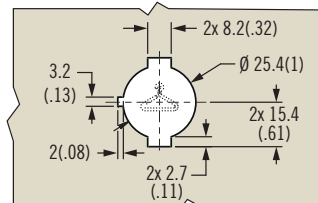
**Snap-in-Version**



**Mounting Nut Installation**



**Snap-in-Installation**



- Flush pop out hook
- Snap-in or mounting nut installation
- Corrosion-resistant materials

**Material and Finish**

Housing: Glass-filled nylon  
 Flange and hook: Zinc alloy, plated

**Installation Notes**

Maximum tightening torque on mounting nut: 4.5 N·m (40 in·lbf)

**Part Number Selection**

**H** Housing style ← **I** Image

11	Oval perpendicular	2	Hanger
12	Oval in-line	3	Blank
21	Square	4	Headset
31	Round		

**MP - 07 - H I - F K - P**

**F** Flange finish ← **K** Hook finish ← **P** Panel Thickness (Snap-in-Only)

1	Chrome plated	1	Chrome plated	<b>None</b>	Mounting nut 4-25.4(.16-1.0)
2	Satin chrome plated	2	Satin chrome plated	0	Snap-in 1.1-2.9(.043-.114)
3	Brushed nickel plated	3	Brushed nickel plated	1	Snap-in 2.9-5.3(.114-.209)
5	Black Powder Coat	5	Black Powder Coat (For image option 3 blank only)	2	Snap-in 5.3-7(.209-.276)



# A3 Push-to-Close Latch

Slide-to-open · Flush · Locking

- Single hole snap-in installation
- Corrosion-resistant materials

### Material and Finish

Latch: ABS, black  
Spring: Stainless steel

### Performance Details

Operating temperature range:  
-40°C (-40°F) to 60°C (140°F)

Flammability rating: UL94-V0

### Installation Notes

Prepare a burr free hole  
Door thickness must include plating or paint thickness

### Accessories

Flat key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01

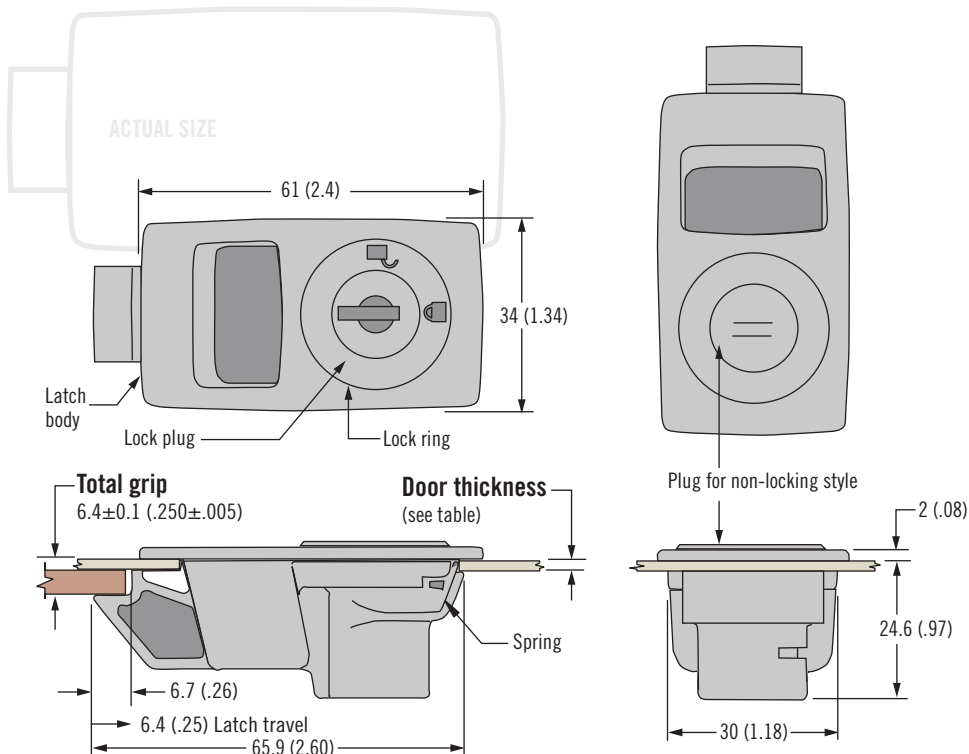


Overmoulded key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01-05

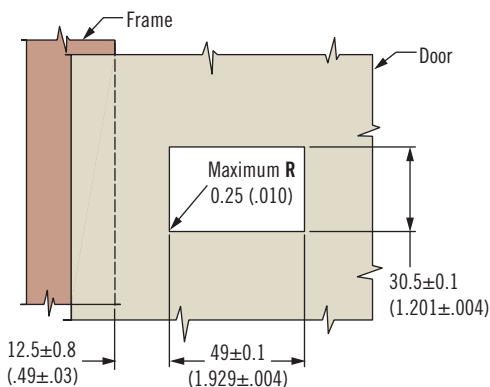


### Part Number

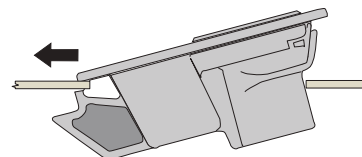
See table



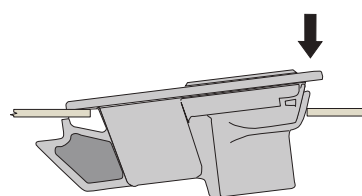
### Installation



1. Slip front of latch through hole, push forward



2. Snap back end of latch into position



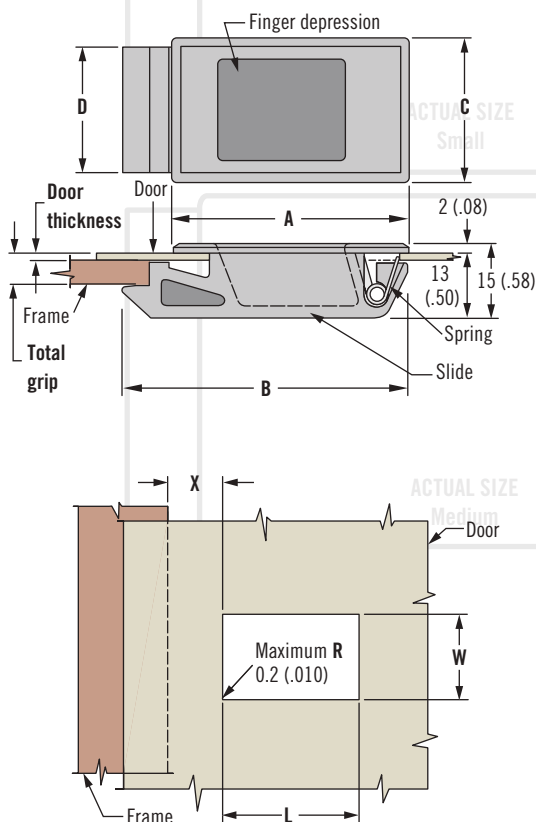
Door Thickness	Part Number		
	Non-Locking	Key-Locking Keyed Alike CH751 (No Keys Supplied)	Key-Locking Keyed Alike CH751 (2 Flat Keys Supplied)
0.9 (.035) to 1.2 (.047)	A3-80-525-12	A3-85-525-12	A3-87-525-12
1.3 (.051) to 1.6 (.062)	A3-80-625-12	A3-85-625-12	A3-87-625-12

# A3 Push-to-Close Latch

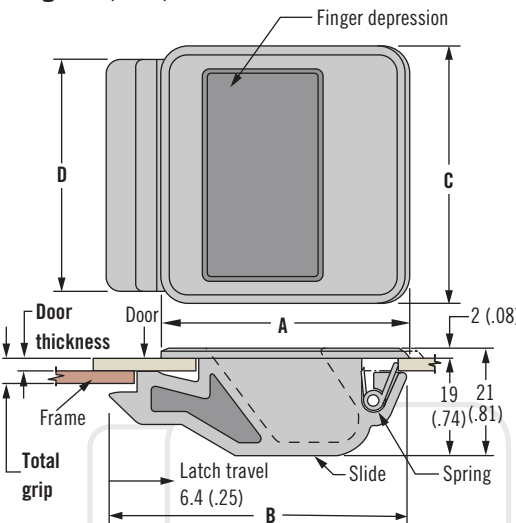
## Slide-to-open · Flush



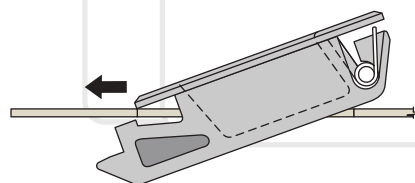
### Mini, Small and Medium



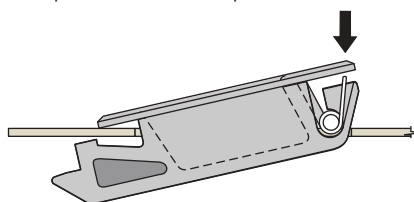
### Large (deeper depression)



1. Slip front of latch through hole, push forward



2. Snap back end of latch into position



Series	Installation		
	L	W	X
Mini	22.0±0.1 (.870±.005)	22.4±0.1 (0.808±.005)	8.5±0.7 (0.330±.027)
Small	38.1±0.1 (1.500±.005)	25.4±0.1 (1.000±.005)	12.7±0.7 (.50±.03)
Medium		44.5±0.1 (1.750±.005)	
Large			

Size	Door Thickness	Total Grip	Dimensions				Part Number	
			A	B	C	D	UL94-HB	UL94-V0
Mini	1.3±0.1 (.050±.005)	6.4±0.1 (.250±.005)	31 (1.21)	35 (1.37)	25 (.98)	22 (.87)	A3-90-525-12	A3-90-525-25
	1.5±0.1 (.060±.005)	6.4±0.1 (.250±.005)	31 (1.21)	35 (1.37)	25 (.98)	22 (.87)	A3-90-625-12	A3-90-625-25
Small	1.3±0.1 (.050±.005)	6.4±0.1 (.250±.005)	47 (1.84)	57 (2.23)	28 (1.11)	25 (.99)	A3-40-525-12	A3-99-187-12
	1.6±0.1 (.060±.005)	6.4±0.1 (.250±.005)	47 (1.84)	57 (2.23)	28 (1.11)	25 (.99)	A3-40-625-12	A3-99-130-12
Medium	2.2±0.1 (.090±.005)	6.4±0.1 (.250±.005)	47 (1.84)	57 (2.23)	48 (1.87)	44 (1.74)	A3-50-925-12	A3-99-144-12
Large	2.2±0.1 (.090±.005)	6.4±0.1 (.250±.005)	48 (1.87)	57 (2.23)	50 (1.95)	44 (1.74)	A3-99-122-12	A3-99-253-01

- Single hole snap-in installation
- Corrosion-resistant materials

### Material and Finish

Latch: ABS, black

Spring: Stainless steel

### Performance Details

90 series 140 N (32 lbf)

40 series 180 N (40 lbf)

50 and 99 series 220 N (50 lbf)

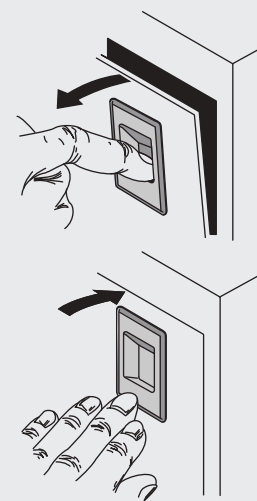
Operating temperature range:  
-40°C (-40°F) to 60°C (140°F)

Flammability rating:  
UL94-HB or UL94-V0

### Installation Notes

Prepare a burr free hole

Door thickness must include plating or paint thickness



### Part Number

See table



# A3 Push-to-Close Latch

Slide-to-open · Ergo tab style

- Single hole snap-in installation
- Corrosion-resistant materials

### Material and Finish

Latch: PC/ABS, black

Spring: Stainless steel

### Performance Details

Max. working load:

Medium: 90 N (20 lbf)

Large: 130 N (29 lbf)

Operating temperature range:

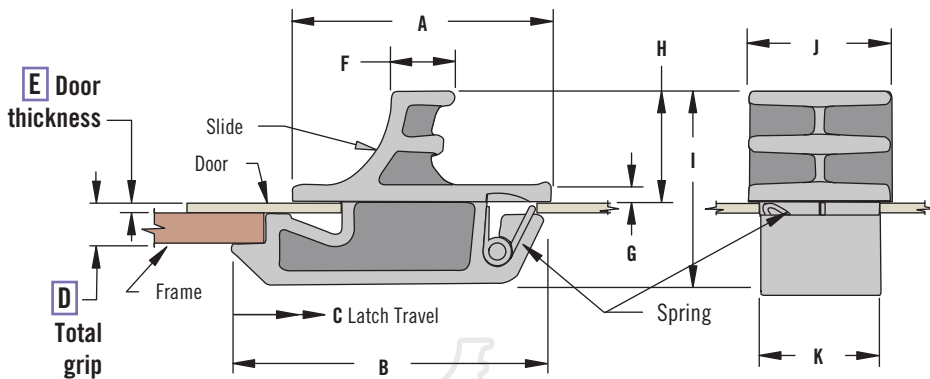
-40°C (-40°F) to 60°C (140°F)

Flammability rating: UL94-V0

### Installation Notes

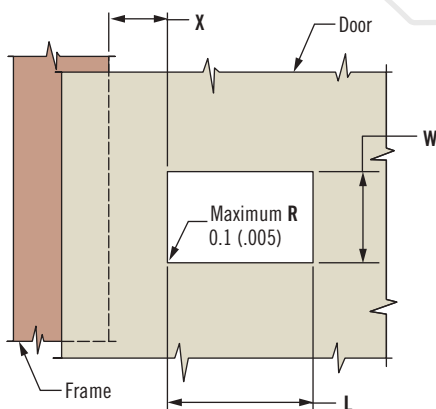
Prepare a burr free hole

Door thickness must include plating or paint thickness



### Installation

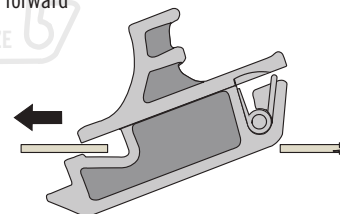
1. Prepare burr-free hole



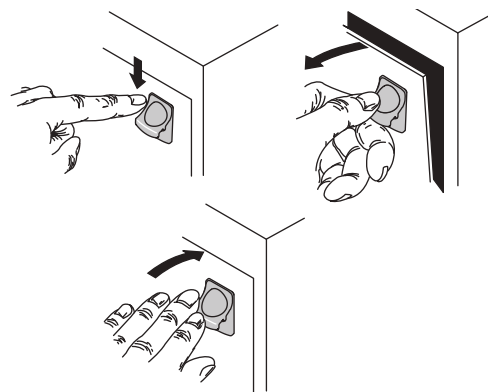
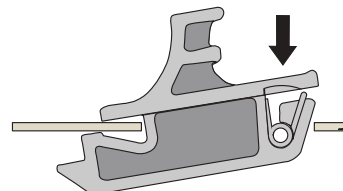
2. Slip front of latch through hole

Push forward

ACTUAL SIZE



3. Snap back end of latch into position



Size	Installation		
	L	W	X
Medium	12.7±0.1 (.500±.005)	7.8±0.05 (.307±.002)	6.4±0.8 (.25±.03)
Large	22.2±0.1 (.875±.005)	14.3±0.1 (.562±.005)	9.5±0.8 (.38±.03)

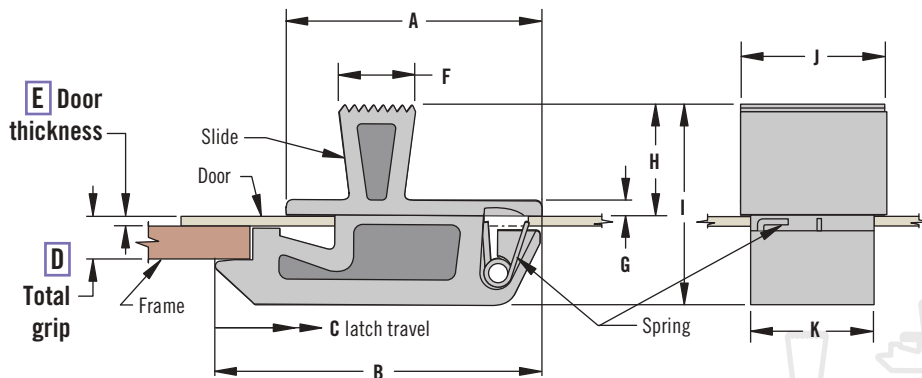
### Part Number

See table

E Door Thickness	D Total Grip	Dimensions										Part Number	Size
		A	B	C	F	G	H	I	J	K			
1 ± 0.1 (.04±.005)	3 ± 0.1 (.12±.005)	19 (.75)	22.2 (.87)	4 (.16)	5.1 (.20)	1.5 (.06)	8.3 (.33)	15.5 (.61)	9.5 (.37)	7.6 (.30)	A3-70-412-25	Medium	
1.2+0.2-0 (.05±.005)	4.8 ± 0.1 (.19±.005)	30.1 (1.19)	36.2 (1.43)	4.3 (.17)	7.2 (.28)	2.2 (.09)	12.8 (.50)	22.4 (.88)	16.5 (.65)	14 (.55)	A3-60-519-25	Large	

# A3 Push-to-Close Latch

## Slide-to-open · Tab style



- Single hole snap-in installation
- Corrosion-resistant materials

### Material and Finish

Latch: ABS, black

Spring: Stainless steel

### Performance Details

Max. working load:

Small 25 N (5 lbf)

Medium 90 N (20 lbf)

Large 130 N (30 lbf)

Operating temperature range:

-40°C (-40°F) to 60°C (140°F)

Flammability rating: UL94-HB

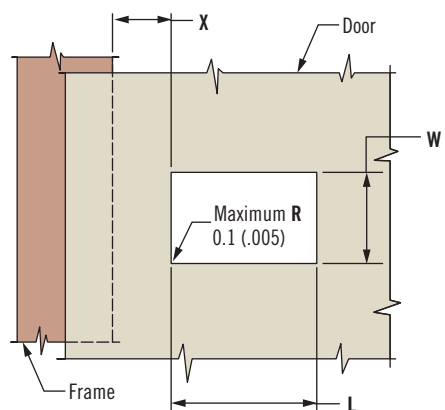
### Installation Notes

Prepare a burr free hole

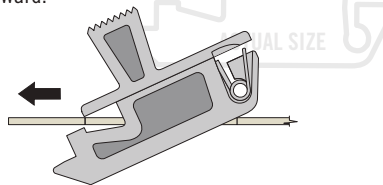
Door thickness must include plating or paint thickness

### Installation

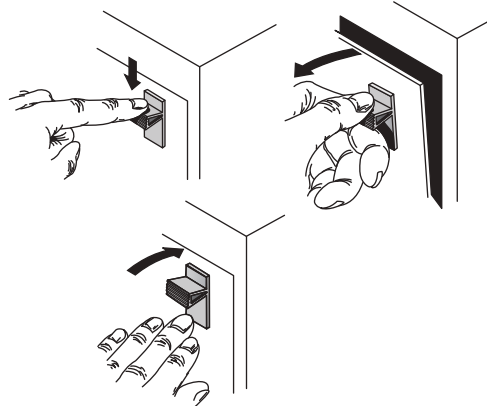
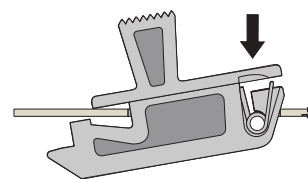
1. Prepare burr-free hole



2. Slip front of latch through hole  
Push forward.



3. Snap back end of latch into position



Size	Installation		
	L	W	X
Small	8.33±0.05 (.328±.002)	4.57±0.05 (.180±.002)	4.8 ±0.8 (.19±.03)
Medium	12.7±0.1 (.500±.005)	7.8±0.05 (.307±.002)	6.4±0.8 (.25±.03)
Large	22.2±0.1 (.875±.005)	14.3±0.1 (.562±.005)	9.5±0.8 (.38±03)

### Part Number

See table

E Door Thickness	D Total Grip	Dimensions									Part Number	Size
		A	B	C	F	G	H	I	J	K		
0.76±.08 (.030±.003)	2.54±0.13 (.100±.005)	11.9 (.47)	15.1 (.59)	3 (.12)	4.0 (.16)	0.8 (.03)	5.6 (.22)	11.1 (.44)	6.0 (.23)	4.4 (.17)	A3-10-310-12	Small
1±0.1 (.04±.005)	3±0.1 (.12±.005)	18 (.70)	22.5 (.87)	4 (.16)	5.5 (.22)	1.5 (.06)	8.5 (.33)	15.5 (.61)	9.5 (.37)	7.5 (.30)	A3-20-412-12	Medium
1.2±0.2-0 (.05±.005)	4.8±0.1 (.19±.005)	29 (1.13)	36 (1.41)	4.3 (.17)	9 (.34)	2 (.08)	13 (.50)	22.5 (.87)	16.5 (.64)	14 (.55)	A3-30-519-12	Large



# 93 Push-to-Close Latch

Push button to open

- Push button opening
- Single hole installation
- Optional ejector spring helps prevent rattles

### Material and Finish

Latch: ABS, black  
Spring: Stainless steel

### Performance Details

Max. working load:  
530 N (120 lbf)

Flammability rating: UL94-HB

### Installation Notes

Max. tightening torque on mounting nut:  
7.9 N·m (70 in·lbf)

### Accessories

Flat key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01



Overmoulded key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01-05



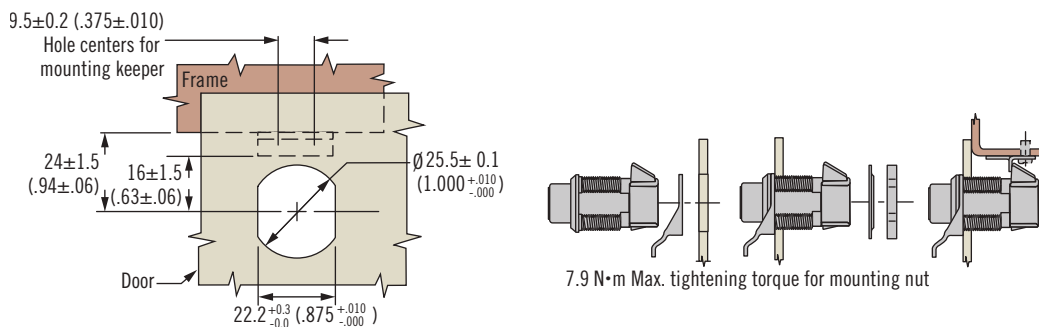
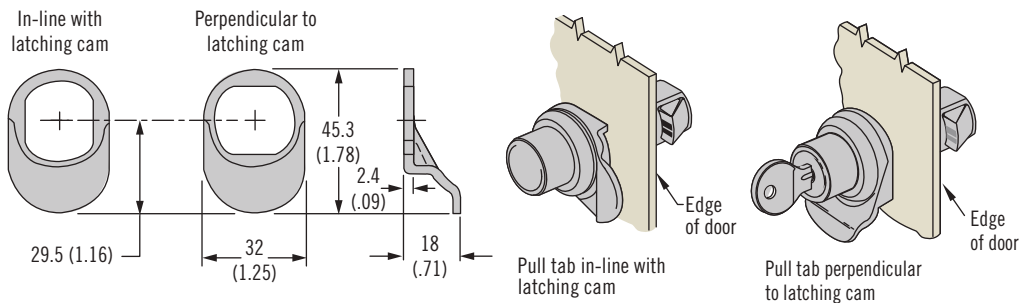
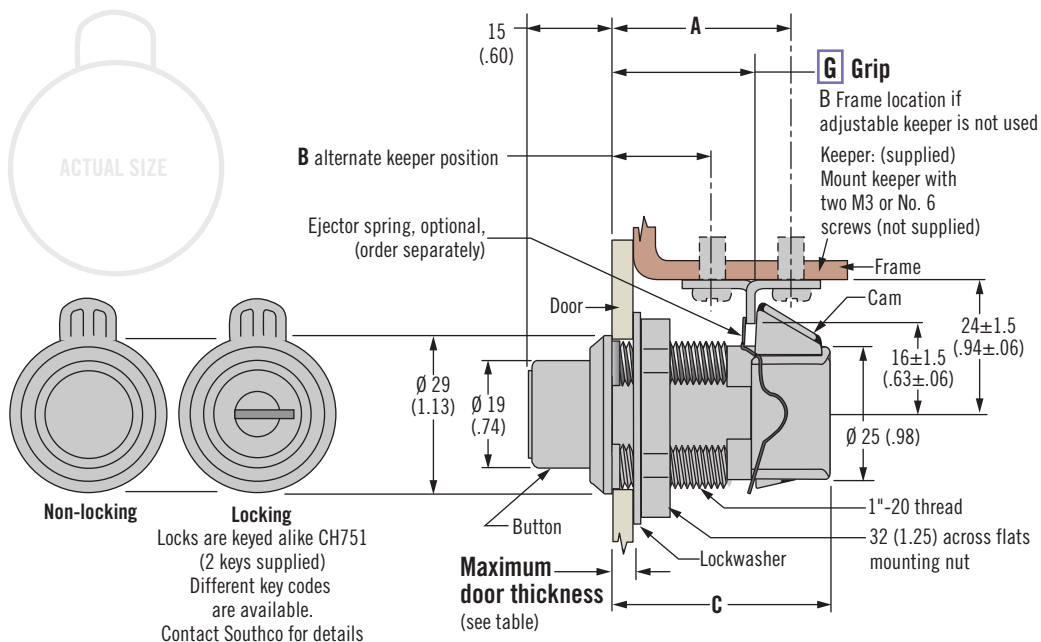
Pull tab (optional) part number:  
In-line 93-21-301-14  
Perpendicular 93-21-322-14

Keeper (replacement) part number:  
93-14-101-24

Ejector spring (optional)  
part number: 93-22-302-18

### Part Number

See table



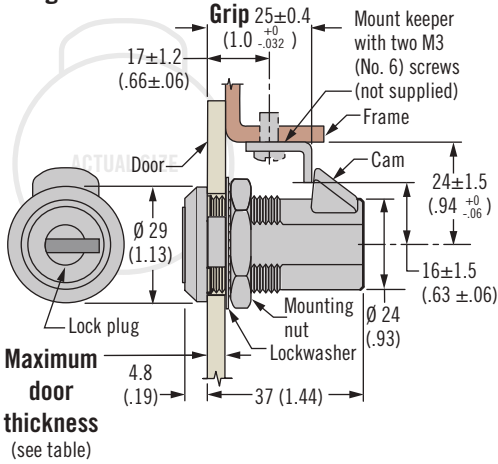
Style	Max. Door Thickness	G Grip	Dimensions			Latch Part Number	
			A	B	C Ref	Key-Locking (2 Flat Keys Supplied)	Non-Locking
Pull tab in-line with latching Cam	10.3 (407)	23 <sup>+0.1</sup> <sub>-.07</sub> (907 <sup>+0</sup> <sub>-.032</sub> )	29.5±1.5 (1.16±.06)	14.5±1.5 (.57±.06)	37 (1.47)	93-303	93-304
Pull tab perpendicular to latching Cam	10.3 (407)	23 <sup>+0.1</sup> <sub>-.07</sub> (907 <sup>+0</sup> <sub>-.032</sub> )	29.5±1.5 (1.16±.06)	14.5±1.5 (.57±.06)	37 (1.47)	93-313	93-314
Latch only	12.7 (.500)	25±0.4 (1.000 <sup>+0</sup> <sub>-.032</sub> )	32±1.5 (1.25±.06)	17±1.5 (.66±.06)	40 (1.57)	93-307	93-308

# 93 Push-to-Close Latch

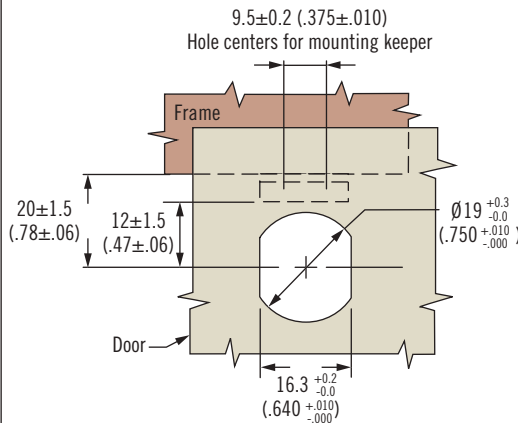
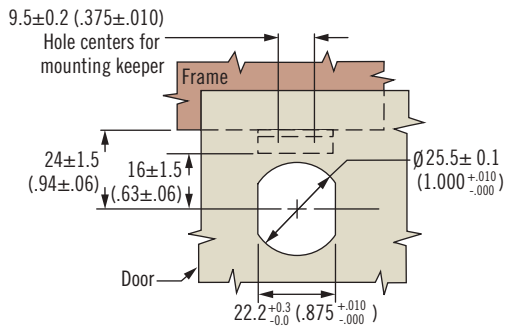
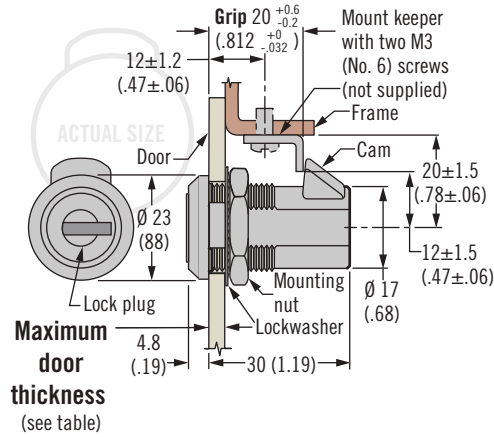
## Key actuated



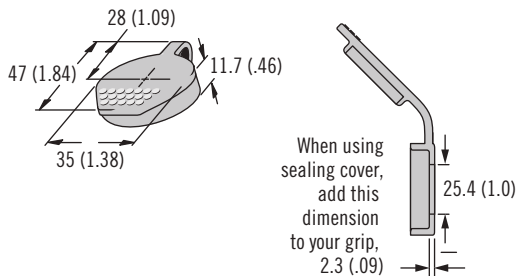
### Large



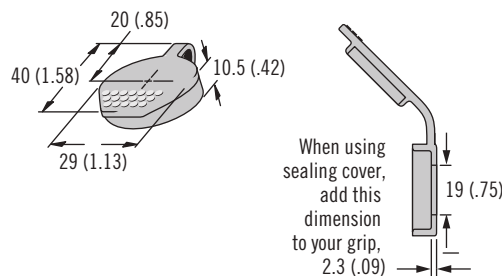
### Small



### Sealing Cover (optional)



### Sealing Cover (optional)



- Key only operation for access restriction
- Single hole installation

### Material and Finish

Latch: Zinc alloy, zinc plated or black powder coated

### Performance Details

Max. working load:

Large: 560 N (125 lbf)

Small: 330 N (75 lbf)

Operating temperature range:

-18°C (0°F) to 65°C (150°F)

Flammability rating: UL94-HB

### Installation Notes

Max. tightening torque on mounting nut: 7.9 N·m (70 in-lbf)

### Accessories

Flat key, keyed alike CH751 (2 keys per ring)

Part number: PK-10-01



Overmoulded key, keyed alike CH751 (2 keys per ring)

Part number: PK-10-01-05



Pull tab (optional - large size only):

Part number:

In-line: 93-21-301-14

Perpendicular: 93-21-322-14

Keeper (replacement)

Part number: 93-14-101-11

### Part Number

See table

Size	Max. Door Thickness	Latch Part Number	Lock Core Finish	Sealing Cover (Optional) Part Number
		Locking Keyed Alike CH751 (2 Flat Keys Supplied)		
Large	12.7 (.500)	93-10-101-10	Bright	90-4
Small	9.5 (.375)	93-10-201-50	Black	90-2
		93-10-201-10	Bright	



# 93 Push-to-Close Latch

Turn-to-open · Knob style

- Turn-to-open
- Single hole installation

## Material and Finish

Latch: Zinc alloy, chrome plated  
Knob: Polycarbonate black

## Performance Details

Max. working load:  
Large: 560 N (125 lbf)  
Small: 330 N (75 lbf)

Operating temperature range:  
-18°C (0°F) to 65°C (150°F)

Flammability rating: UL94-HB

## Installation Notes

Max. tightening torque on mounting nut: 7.9 N·m (70 in·lbf)

## Accessories

Flat key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01



Overmoulded key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01-05

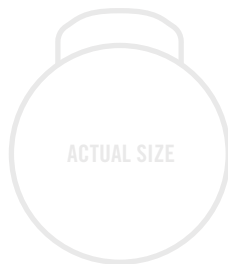
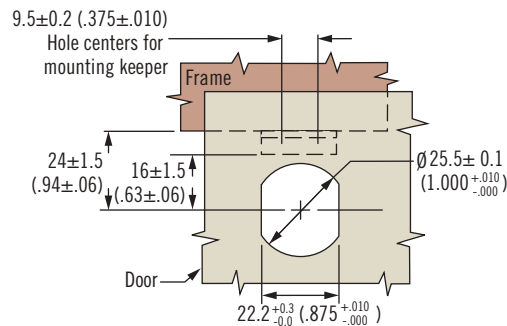
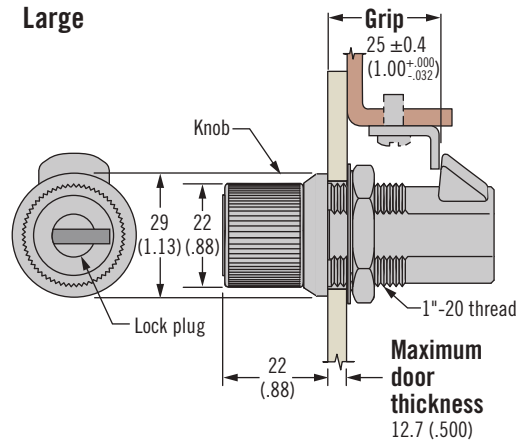


Keeper (replacement)  
Part number: 93-14-101-11

## Part Number

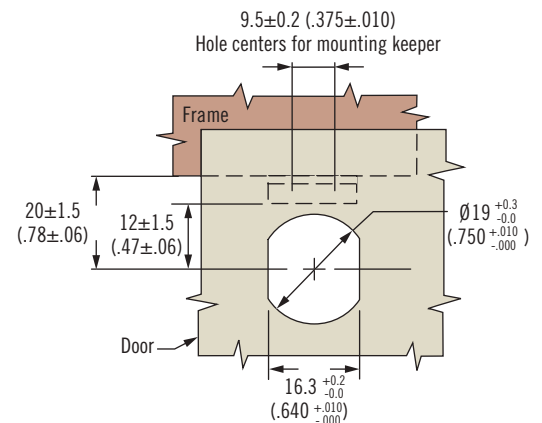
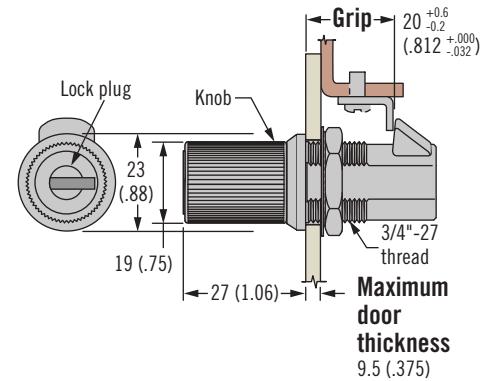
See table

### Large



ACTUAL SIZE

### Small

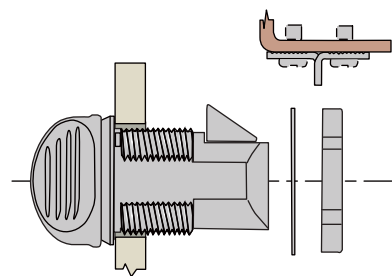
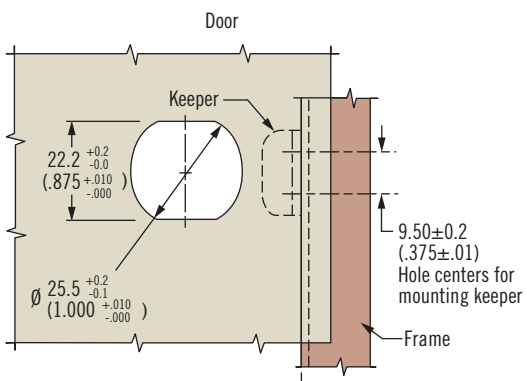
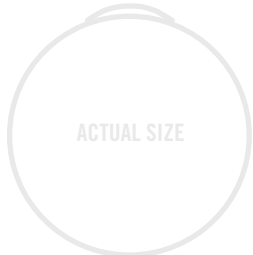
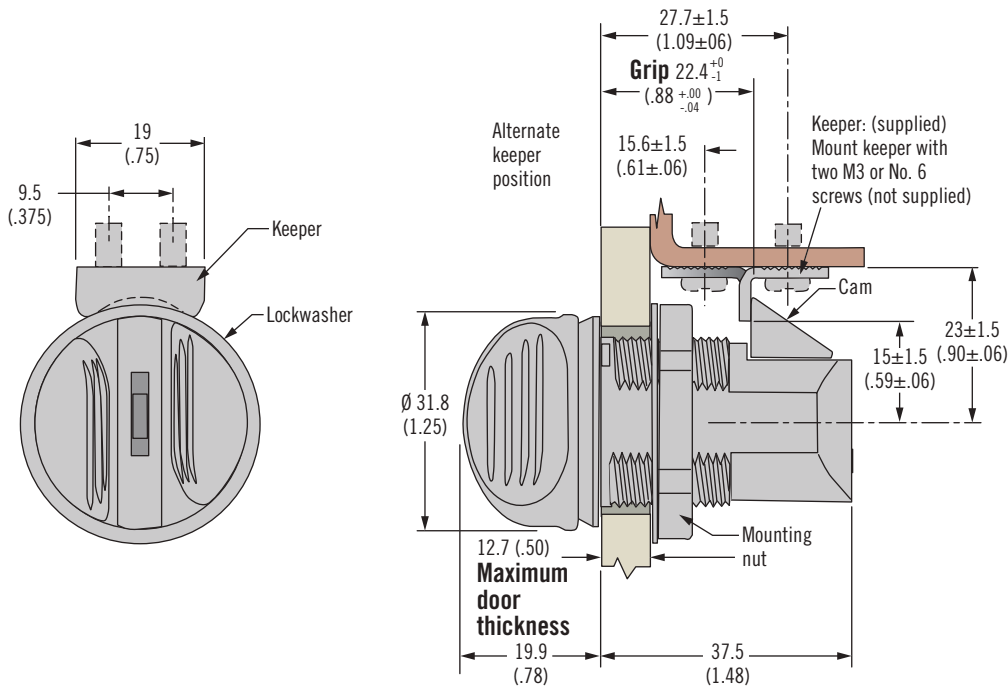


ACTUAL SIZE

Size	Latch Part Number		Lock Core Finish
	Locking (2 Flat Keys Supplied)	Non-locking	
Large	93-10-102-50	93-10-103-50	Black
	93-10-102-10	93-10-103-10	Bright
Small	93-10-202-50	93-10-203-50	Black
	93-10-202-10	93-10-203-10	Bright

# 93 Push-to-Close Latch

## Turn-to-open · Wing style



- Turn-to-open
- Single hole installation

### Material and Finish

Glass-filled nylon and acetal, black

### Performance Details

Max. working load: 425 N (100 lbf)

Operating temperature range:

-20°C (0°F) to 65°C (150°F)

Flammability rating: UL94-HB

### Installation Notes

Max. tightening torque on mounting nut: 6 N·m (53 in·lbf)

### Accessories

Flat key, keyed alike CH751

(2 keys per ring)

Part number: PK-10-01



Overmoulded key, keyed alike CH751

(2 keys per ring)

Part number: PK-10-01-05



Keeper (replacement):

Part number: 93-14-101-24

Latch Part Number (2 Flat Keys Supplied)
93-402

### Part Number

See table



## R3 Push-to-Close Latch

Pull-to-open · Paddle handle · Baggage door latch

- Environmentally sealed
- Emergency release
- For use with R4 rotary latches

### Material and Finish

Latch assembly: Zinc alloy, black or white powder coated or chrome plated

Slide bolt: Zinc alloy, zinc plated

Striker mounting plates and brackets: Steel, zinc plated

### Performance Details

Max. working load: 560 N (125 lbf)

### Installation Notes

Max. tightening torque on mounting screws: 2.8 N·m (25 in·lbf)

### Notes

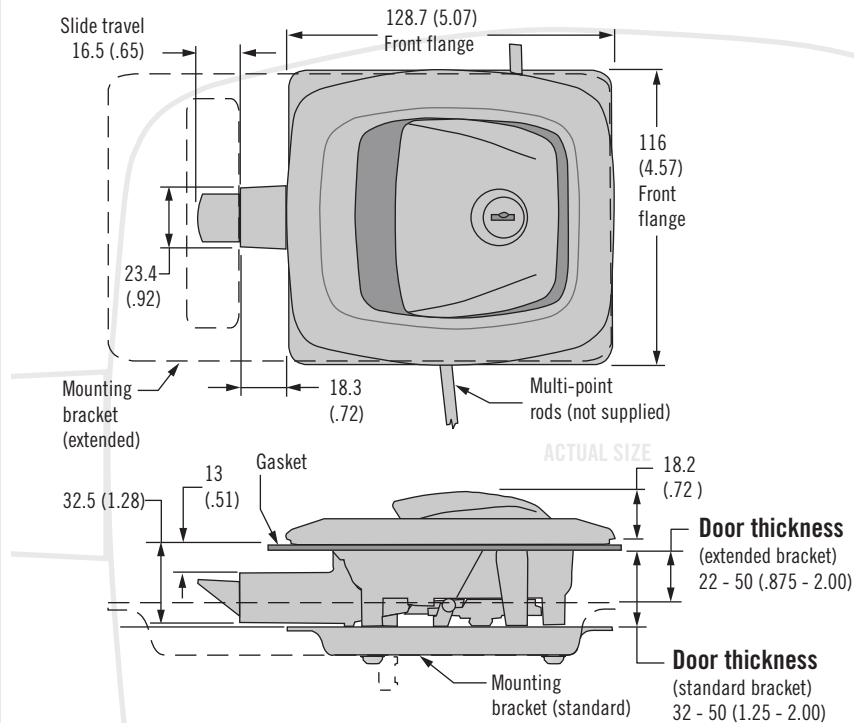
\*For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

### Part Number

Order latch, bracket and mounting screws separately.

For latch see table

For bracket and mounting screws see page 273

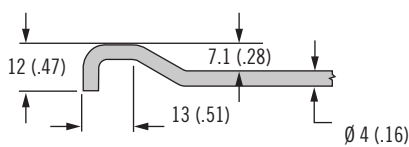


### Multi-Point Capable

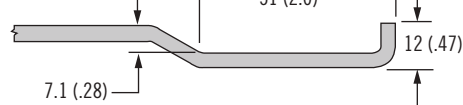
For applicable rotary latches see page 255

Actuating rods are not supplied  
Recommended rod configuration shown below

#### Rod A

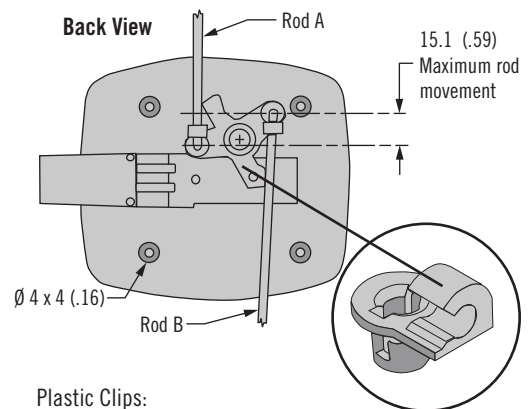


#### Rod B



Latch shown in actuated (unlatched) position (slide retracted)

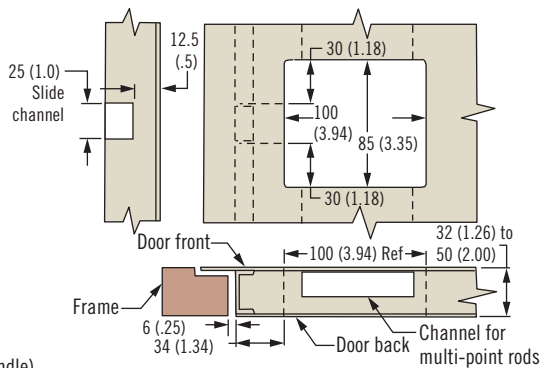
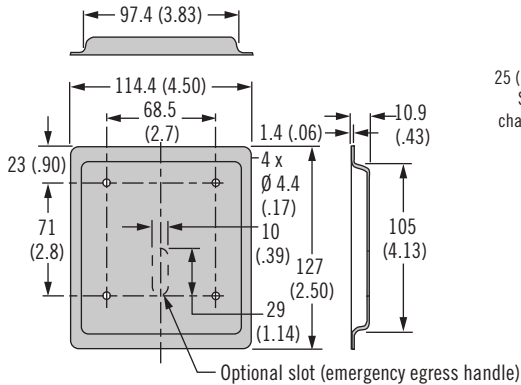
#### Back View



Plastic Clips:  
Part number:  
R4-0-43922 for 4mm rods are available as an option

Latch Finish	Part Number			
	Locking (CH751) (2 Flat Keys Included)	Locking (Reversible Key) R001 (2 Flat Keys Included)	Locking (No Core)*	Non-Locking
Chrome, polished	R3-20-350-10	R3-20-320-10	R3-20-390-10	R3-20-300-10
Black powder coated	R3-20-350-50	R3-20-320-50	R3-20-390-50	R3-20-300-50
White powder coated	R3-20-350-70	R3-20-320-70	R3-20-390-70	R3-20-300-70

**Standard Bracket**



**Accessories**

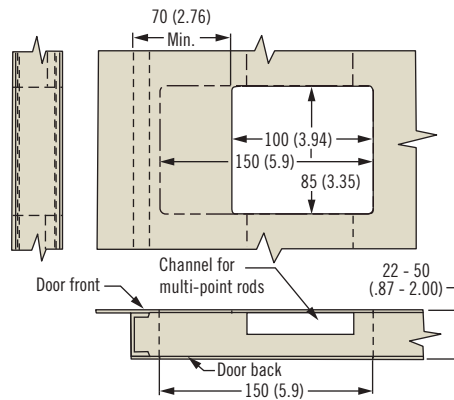
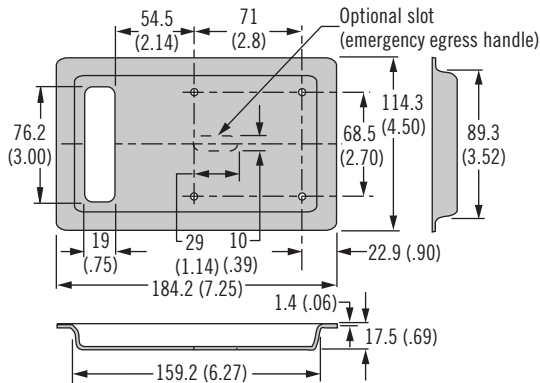
Flat key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01



Overmoulded key, keyed alike CH751  
(2 keys per ring)



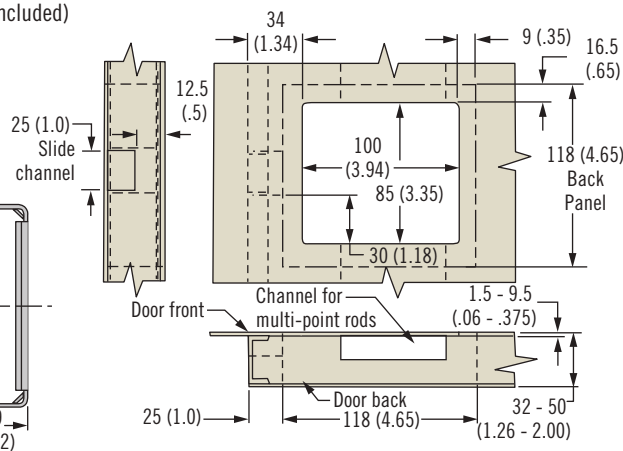
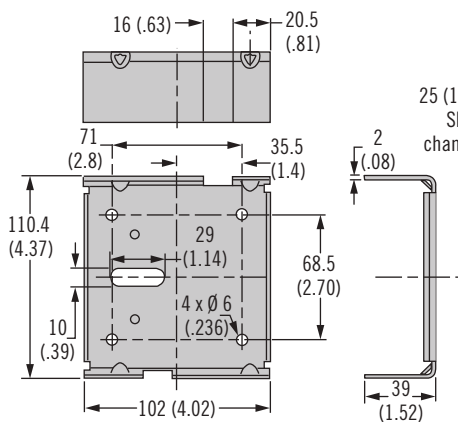
**Extended Bracket**



Part number: PK-10-01-05  
Overmoulded key, keyed alike R001  
(2 keys per ring)  
Part number: PK-10-01-KR001  
Emergency egress handle (optional):  
Part number: R3-21-110



**U-Bracket (slot for emergency egress handle included)**



**Notes**

U-bracket is intended for sheet metal door applications

**Part Number**

Order latch, bracket and mounting screws separately.

For latch see page 272

For bracket and mounting screws see table

Bracket Part Number		No. 8 Self Tapping Screw (Part Number By Length)				
		R3-23-250-01	R3-23-250-02	R3-23-250-03	R3-23-250-04	R3-23-250-05
		16 (.625) Long	19 (.750) Long	25.4 (1.00) Long	32 (1.250) Long	38 (1.500) Long
Standard Bracket	R3-23-160-11-01	32 (1.250)	32 (1.250) - 38 (1.500)	38 (1.500) - 44 (1.750)	44 (1.750) - 50 (2.00)	-
Extended Bracket	R3-23-162-11-01	22 (.875) - 25 (1.00)	25 (1.000) - 32 (1.250)	32 (1.250) - 38 (1.500)	38 (1.500) - 44 (1.750)	44 (1.750) - 50 (2.00)
U-Bracket	R3-23-161-11	1.5 (.0620) - 4.8 (.187)	4.8 (.187) - 9.5 (.375)	-	-	-
<b>Door thickness</b>						



# R3 Push-to-Close Latch

Pull-to-open · Paddle handle · Entry door latch

- Environmentally sealed
- Dual sided access and locking

### Material and Finish

Latch assembly: Zinc alloy, black powder coated or white or chrome plated

Slide bolt: Zinc alloy, zinc plated

Striker mounting plates and brackets: Steel, zinc plated

### Performance Details

Max. working load: 560 N (125 lbf)

Operating temperature range: -18°C (0°F) to 60°C (140°F)

### Installation Notes

Max. tightening torque on mounting screws: 2 N·m (14 in·lbf)

### Accessories

Overmoulded key, keyed alike CF305 (2 keys per ring)

Part number: PK-10-01-09-CF305



Replacement screws

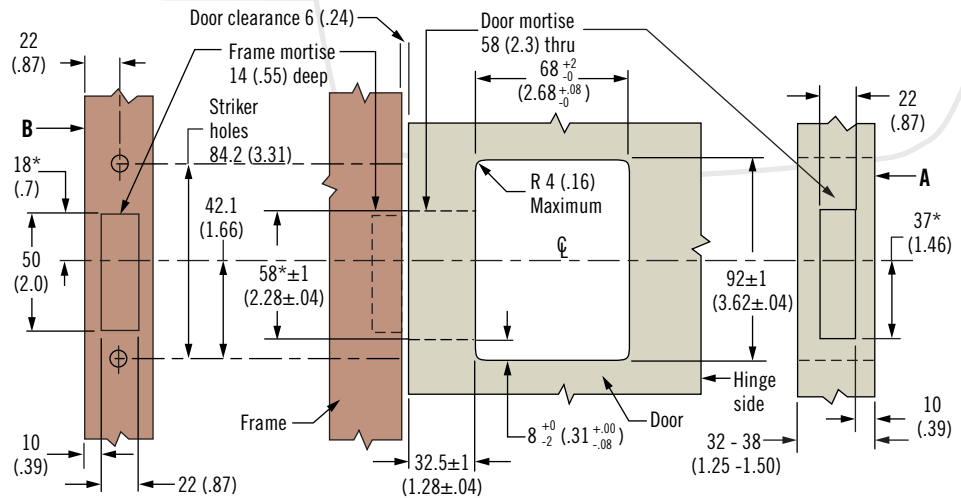
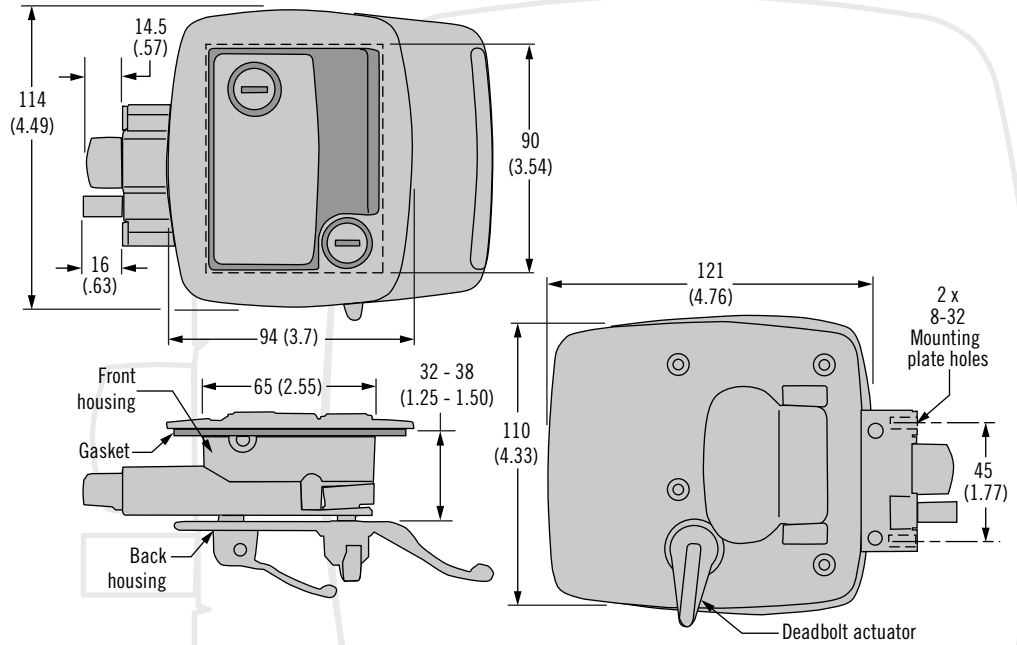
Part number: R3-13-310

### Notes

Mounting plate, striker plate and all mounting screws except striker plate screws are provided with each lock set.

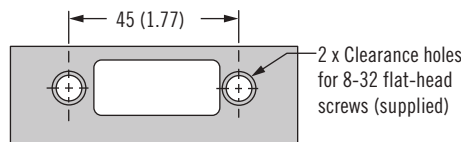
### Part Number

See table

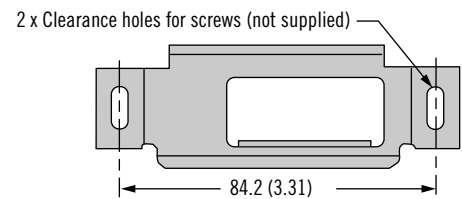


\*For left hand mounting mirror the dimensions marked with \* by moving them to the other side of the centreline.

### Mounting Plate



### Striker Plate



Finish	Latch Part Number
Chrome, polished	R3-10-311-10
Black powder coated	R3-10-311-50
White Powder coated	R3-10-311-70

Part Number	
Mounting plate	R3-13-190
Striker plate	R3-13-180



# R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

- Ideal for space limited applications
- Compatible with wide array of actuators
- Integrated bumper for anti-vibration feature

### Material and Finish

Steel, zinc or zinc nickel plated or 304 stainless steel, passivated

### Accessories

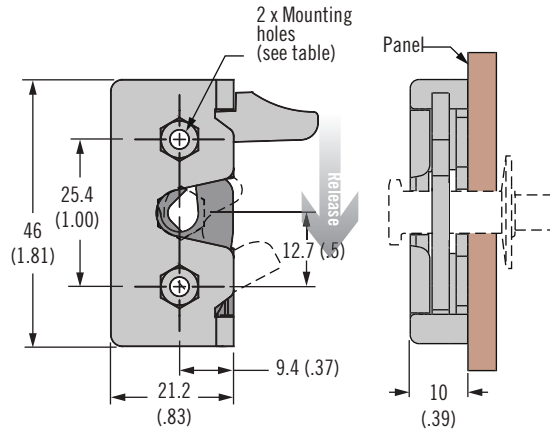
Cables and retainer clips see pages 322-323

### Notes

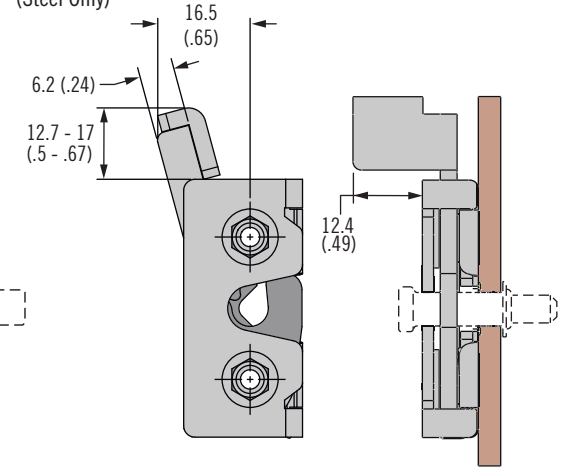
Electromechanical rotary latch available see page 20

For electrical actuation option see page 42

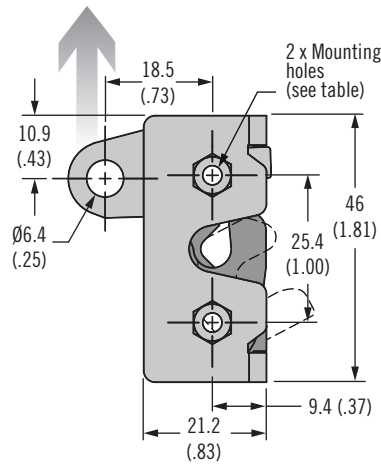
### Hand Actuation



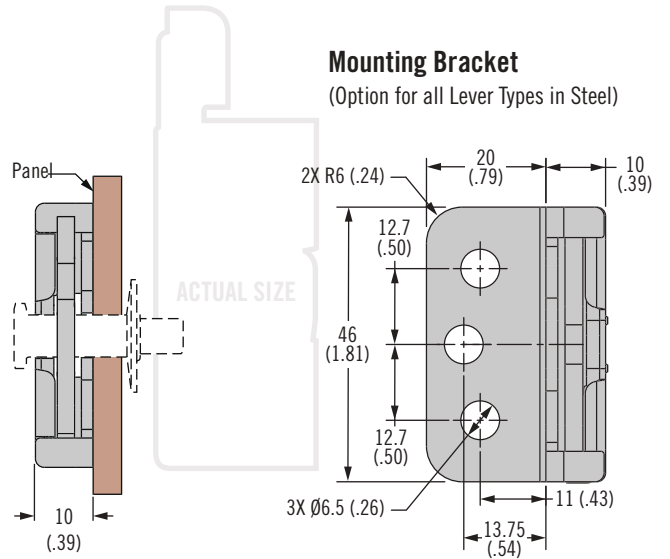
### Direct Actuation (Steel Only)



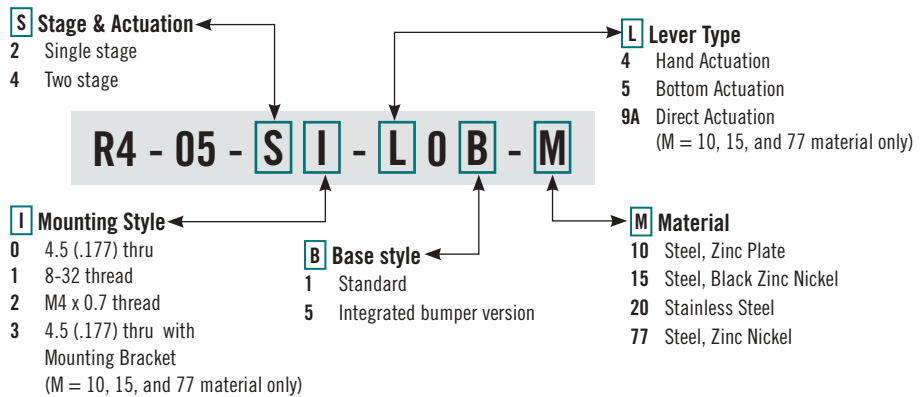
### Bottom Actuation



### Mounting Bracket (Option for all Lever Types in Steel)



### Part Number Selection



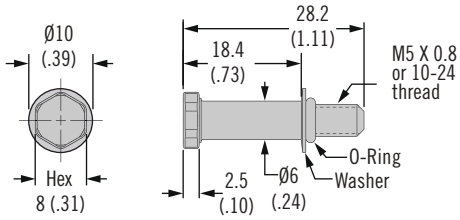
# R4 Rotary Latch

## Striker bolt · Light-duty · Installation



### Striker Bolt

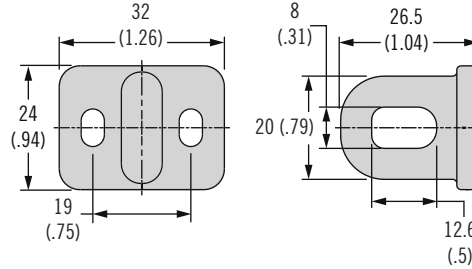
(sold separately)



Striker Bolt Part Number		
Part Number	Thread	Material
R4-90-0511-10	10-24-UNC	Steel
R4-90-0511-20	10-24-UNC	Stainless Steel
R4-90-0521-10	M5 X 0.8	Steel
R4-90-0521-20	M5 X 0.8	Stainless Steel

### Molded Striker

(sold separately)



Part Number	
Molded striker	R4-0-61336

### • Strikers for R4-05 series rotary latch

#### Material and Finish

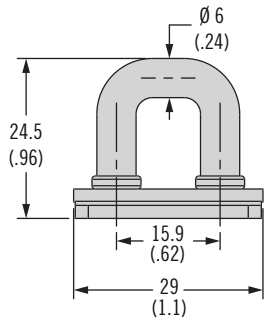
Steel, zinc nickel, zinc plated, black zinc nickel, Stainless Steel

#### Part Number

See tables

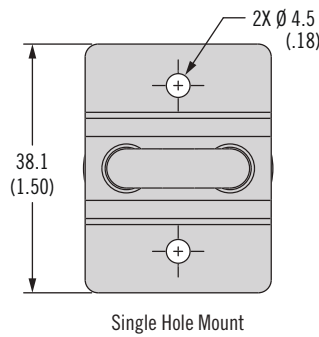
### Wire Form Strikers

(sold separately)



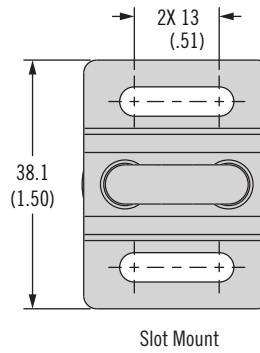
#### Single Hole Mount

R4-90-0501-XX



#### Slot Mount

R4-90-0502-XX



Wire Form Strikers		
Part Number	Mount	Material
R4-90-0501-10	Single Hole	Steel, Zinc Plated
R4-90-0501-15	Single Hole	Steel, Black Zinc Nickel
R4-90-0501-77	Single Hole	Steel, Zinc Nickel
R4-90-0502-10	Slot	Steel, Zinc Plated
R4-90-0502-15	Slot	Steel, Black Zinc Nickel
R4-90-0502-77	Slot	Steel, Zinc Nickel



# R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

### Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

### Accessories

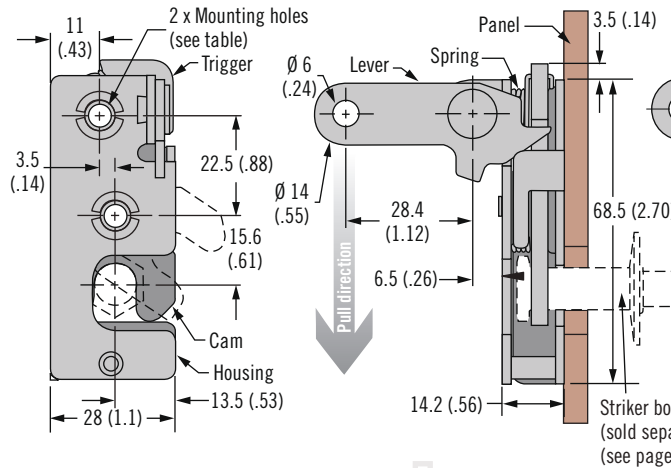
Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see pages 322-323

### Notes

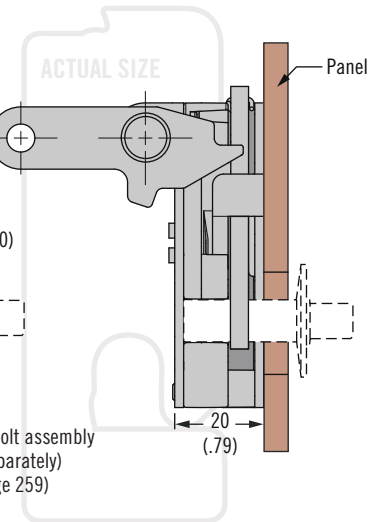
Electromechanical rotary latch available see page 20

### Single Stage - Perpendicular (left hand actuation shown)

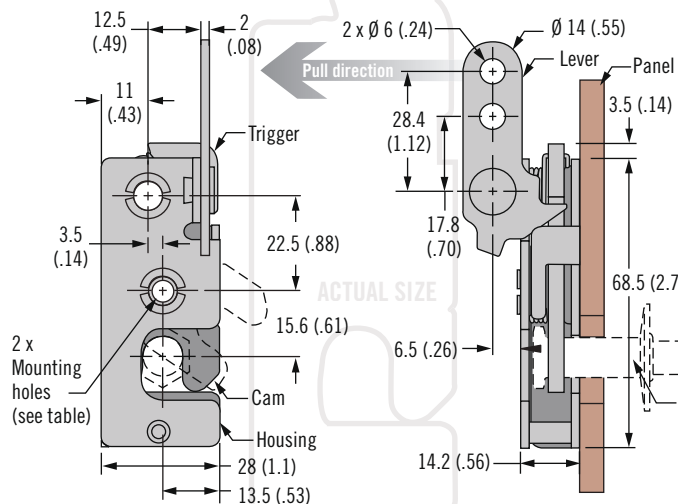


### Integrated Bumper Version (dimensions same as standard version except as shown)

(dimensions same as standard version except as shown)

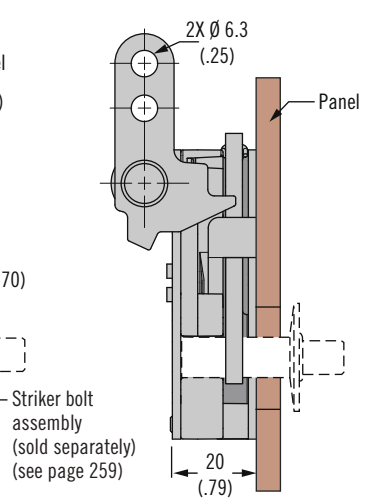


### Single Stage - In-Line (left hand actuation shown)



### Integrated Bumper Version (dimensions same as standard version except as shown)

(dimensions same as standard version except as shown)



### Part Number Selection

#### S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

#### I Mounting Style

- 0  $\varnothing 7.2$  (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

#### B Base Style

- 1 Standard
- 5 Integrated bumper version

#### L Lever Type

- 1 Perpendicular
- 2 In-Line

#### M Material

- 10 Steel
- 20 Stainless steel

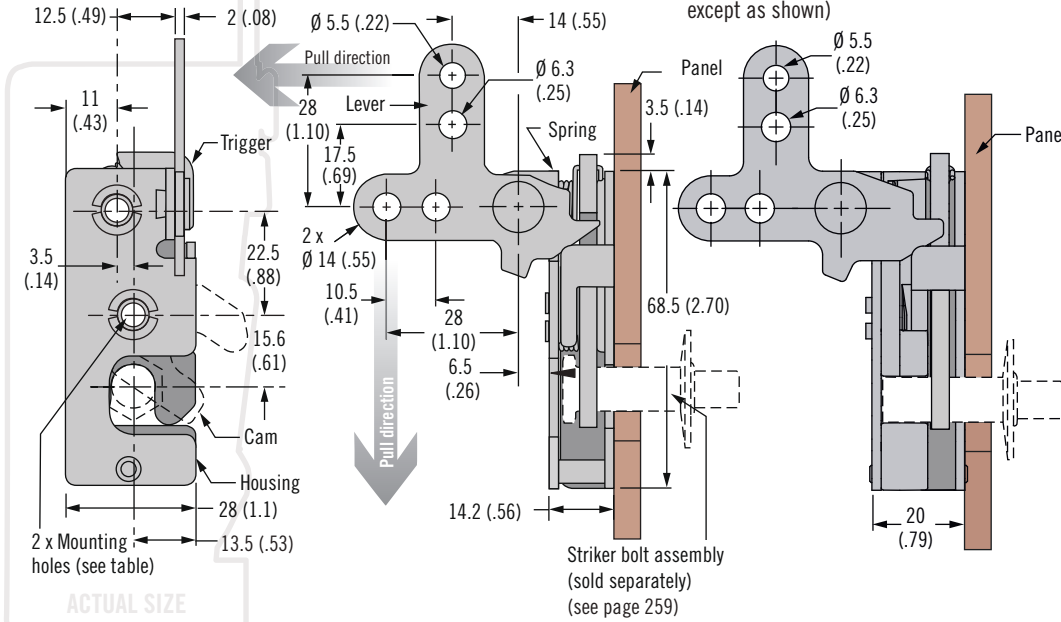
R4 - 10 - S I - L O B - M

# R4 Rotary Latch

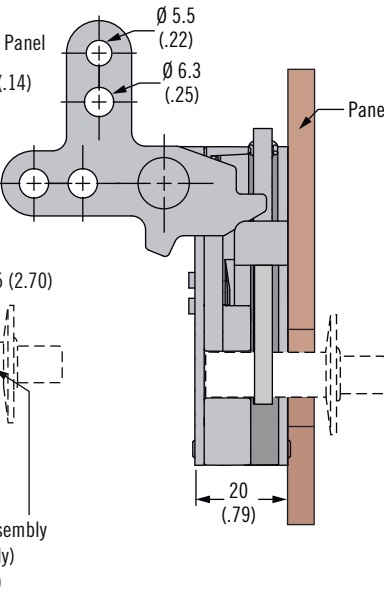
Light-Duty · Concealed · Single and two stage



## Single Stage - Two Point (left hand actuation shown)



## Integrated Bumper Version (dimensions same as standard version except as shown)



- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

## Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

## Accessories

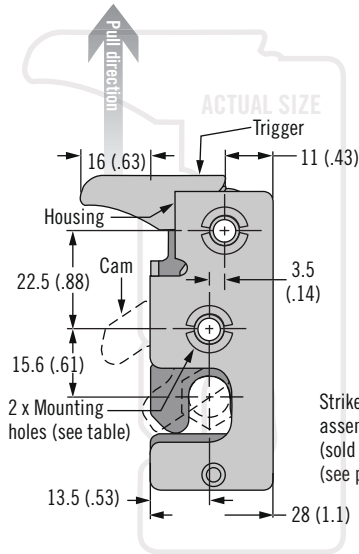
Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see page 322-323

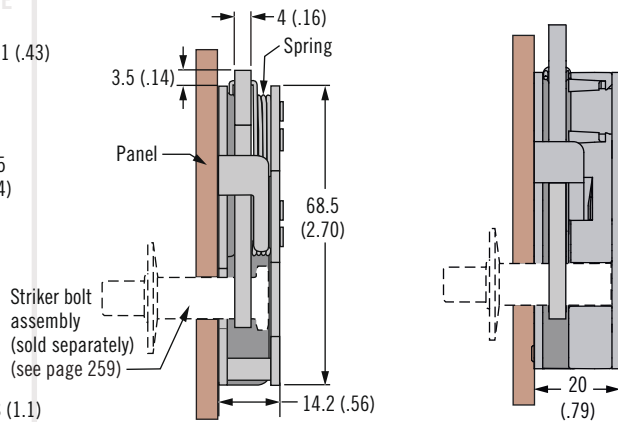
## Notes

Electromechanical rotary latch available see page 20

## Single Stage - Hand Actuation



## Integrated Bumper Version (dimensions same as standard version except as shown)



## Part Number Selection

**S** Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

**I** Mounting Style

- 0 Ø7.2 (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

**B** Base Style

- 1 Standard
- 5 Integrated bumper version

**L** Lever Type

- 3 Two point
- 4 Hand actuation

**M** Material

- 10 Steel
- 20 Stainless steel

**R4 - 10 - S I - L 0 B - M**



# R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

### Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

### Accessories

Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see pages 322-323

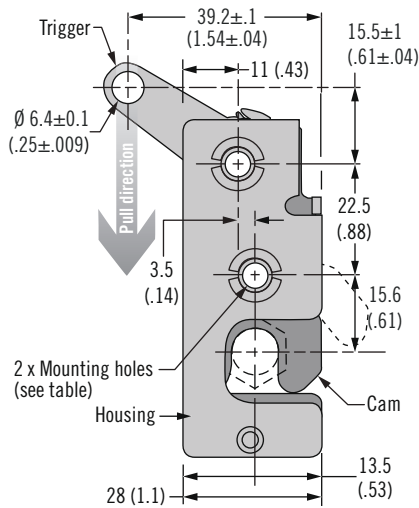
### Notes

Electromechanical rotary latch available see page 20

For electrical actuation option see page 43

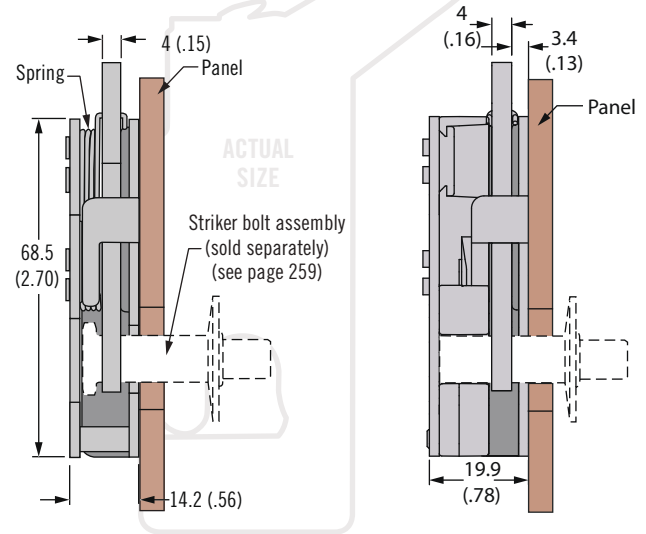
### Single Stage - Bottom

(left hand actuation shown)



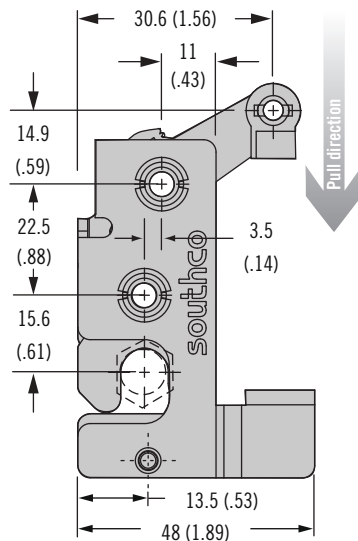
### Integrated Bumper Version

(dimensions same as standard version except as shown)



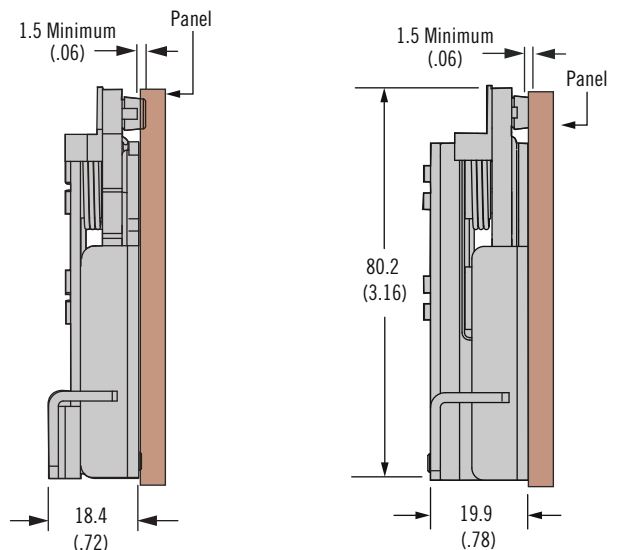
### Single Stage - Bottom with Cable Bracket

(Right hand actuation shown)



### Integrated Bumper Version

(dimensions same as standard version except as shown)



### Part Number Selection

**R4 - 10 - S I - 50 B - M**

#### S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

#### I Mounting Style

- 0 Ø7.2 (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

#### B Base Style

- 1 Standard
- 2 Standard with cable bracket
- 5 Integrated bumper
- 6 Integrated bumper with cable bracket

#### M Material

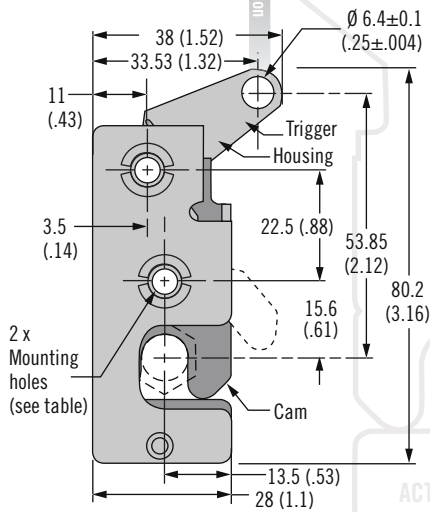
- 10 Steel
- 20 Stainless steel



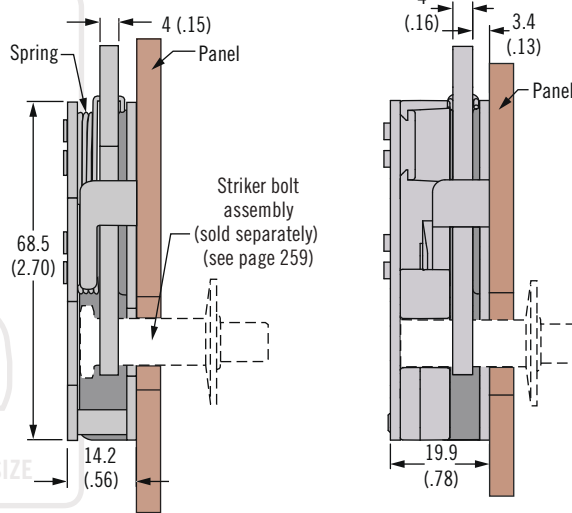
# R4 Rotary Latch

Light-Duty · Concealed · Single and two stage

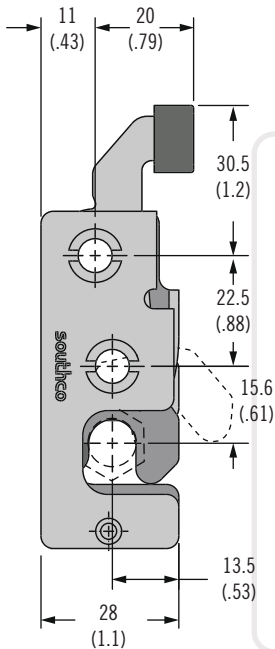
**Single Stage - Top**  
(left hand actuation shown)



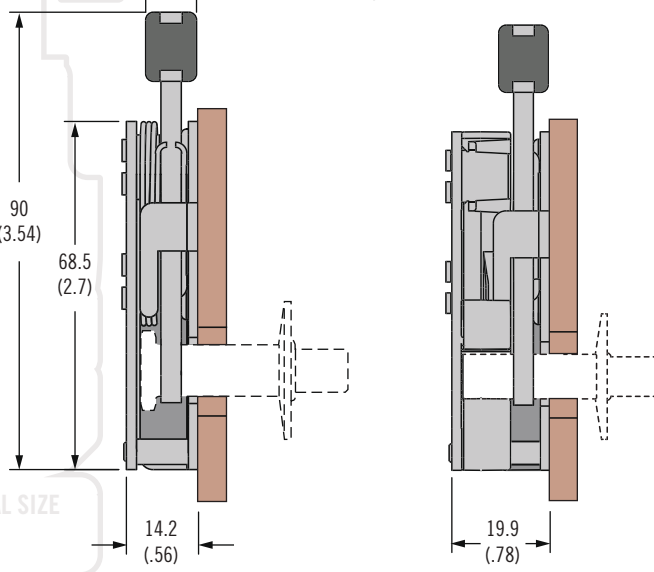
**Integrated Bumper Version**  
(dimensions same as standard version except as shown)



**Single Stage - Direct Actuation**  
(left hand actuation shown)



**Integrated Bumper Version**  
(dimensions same as standard version except as shown)



- Compatible with wide array of actuators
- EN 45545-3 E60 Compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

**Material and Finish**

Steel, zinc plated

**Accessories**

Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

Cables and retainer clips see page 322-323

Trigger - use retaining clip

R4-0-43922-2

Lever - use retaining clip

R4-0-43922

**Notes**

Electromechanical rotary latch available see page 20

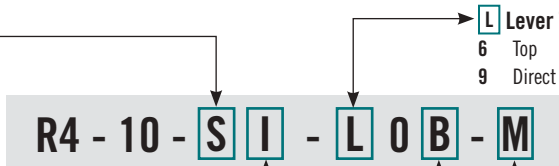
**Part Number Selection**

**S Stage & Actuation**

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

**L Lever Type**

- 6 Top
- 9 Direct Actuation



**I Mounting Style**

- 0  $\varnothing 7.2 (.283)$  thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

**B Base Style**

- 1 Standard
- 5 Integrated bumper version

**M Material**

- 10 Steel
- 20 Stainless steel



Dimensions in millimeters (inch) unless otherwise stated

[www.southco.com/R4](http://www.southco.com/R4)



# R4 Rotary Latch

Light-duty · Concealed · Dual Trigger · Single and two stage

- Direct actuation, no cable or rod required
- Integrated bumper version for anti-vibration feature
- EN 45545-3 E60 Compliant (Standard version only)

### Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

### Accessories

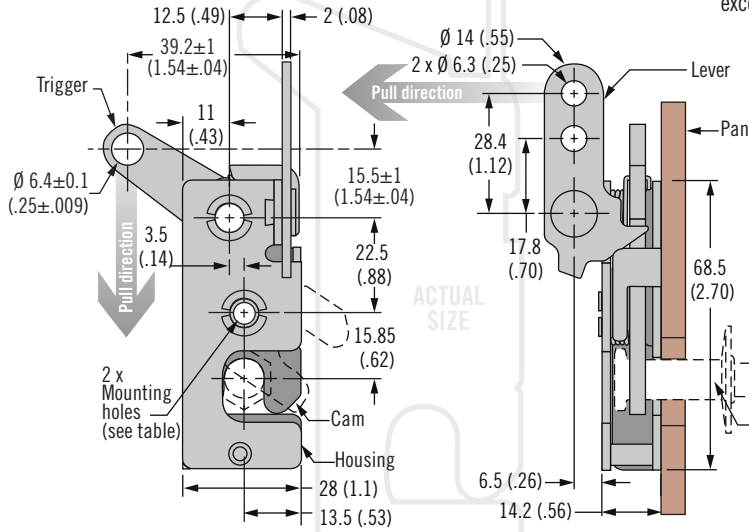
Striker bolts for standard version and integrated bumper version are different. See page 297 for both versions.

### Notes

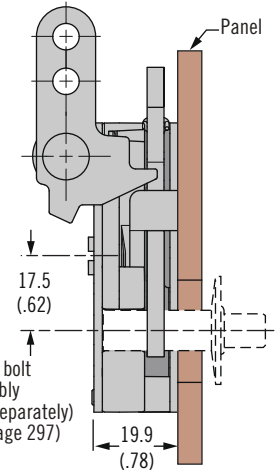
Electromechanical rotary latch available see page 20

For electrical actuation option for bottom lever designs, see page 43

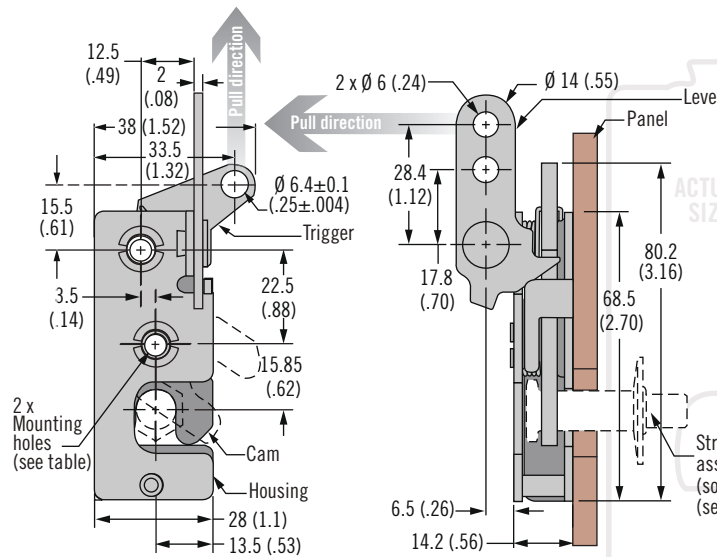
### Single Stage - Dual Trigger - Bottom (left hand actuation shown)



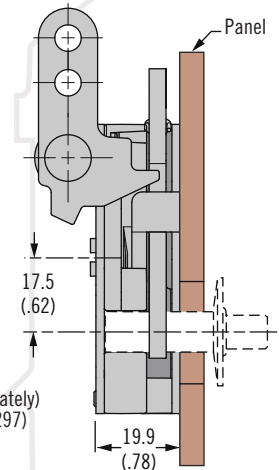
### Integrated Bumper Version (dimensions same as standard version except as shown)



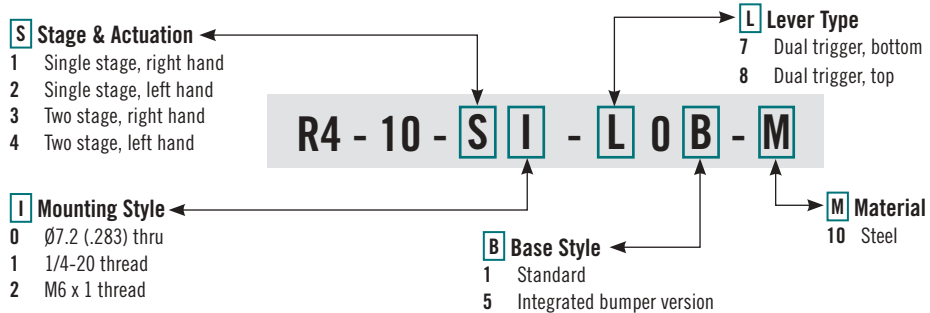
### Single Stage - Dual Trigger - Top (left hand actuation shown)



### Integrated Bumper Version (dimensions same as standard version except as shown)



### Part Number Selection

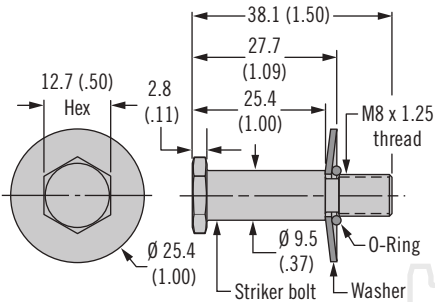


# R4 Rotary Latch

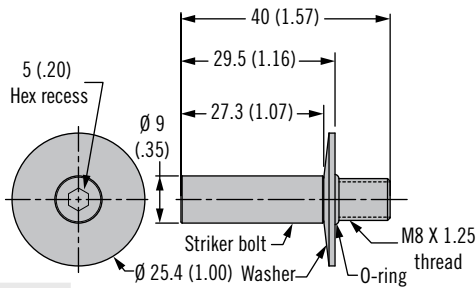
## Striker bolt · Light-duty · Installation



### Striker Bolt Assembly - Standard (sold separately)



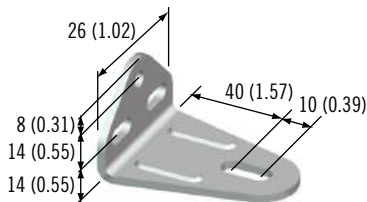
### Striker Bolt Assembly - Integrated Bumper (sold separately)



Striker Bolt Standard	
Part Number	Material
R4-90-121-10	Steel, Zinc Plated
R4-90-121-20	Stainless Steel

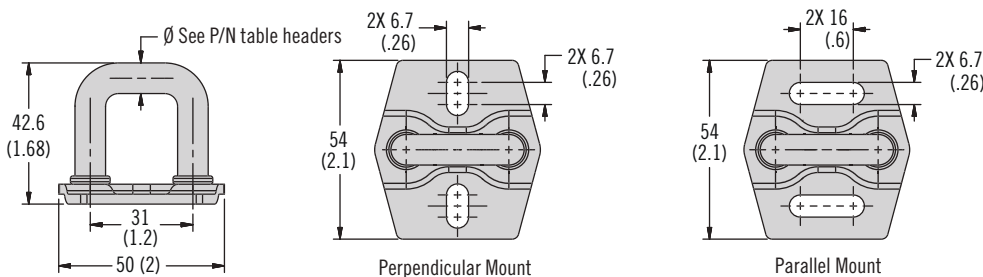
Striker Bolt Integrated Bumper	
Part Number	Material
R4-90-124-10	Steel, Zinc Plated
R4-90-124-20	Stainless Steel

### Striker 90° Mounting Bracket



Striker Mounting Bracket	
Part Number	Material
R4-0-50114	Stainless Steel

### Wire Form Strikers (sold separately)



Wire Form Strikers - Standard Ø9.2 (.36)		
Part Number	Mount	Material
R4-90-101-10	Perpendicular	Steel, Zinc Plated
R4-90-101-15	Perpendicular	Steel, Black Zinc Nickel Plated
R4-90-101-20	Perpendicular	Stainless Steel
R4-90-101-77	Perpendicular	Steel, Zinc Nickel Plated
R4-90-102-10	Parallel	Steel, Zinc Plated
R4-90-102-15	Parallel	Steel, Black Zinc Nickel Plated
R4-90-102-20	Parallel	Stainless Steel
R4-90-102-77	Parallel	Steel, Zinc Nickel Plated

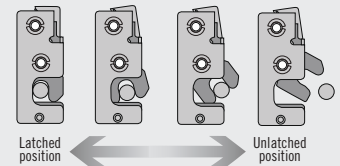
Wire Form Strikers -Integrated Bumper Ø9 (.35)		
Part Number	Mount	Material
R4-90-104-10	Perpendicular	Steel, Zinc Plated
R4-90-104-15	Perpendicular	Steel, Black Zinc Nickel Plated
R4-90-104-20	Perpendicular	Stainless Steel
R4-90-104-77	Perpendicular	Steel, Zinc Nickel Plated
R4-90-106-10	Parallel	Steel, Zinc Plated
R4-90-106-15	Parallel	Steel, Black Zinc Nickel Plated
R4-90-106-20	Parallel	Stainless Steel
R4-90-106-77	Parallel	Steel, Zinc Nickel Plated

### • Strikers for R4-10 series rotary latch

#### Material and Finish

Steel, zinc plated Steel, zinc nickel plated, Steel, black zinc nickel plated, Stainless Steel, passivated

#### Operation



#### Part Number

See tables



# R4 Rotary Latch

Medium-Duty - Tool / Key Actuated

- Tool or key operation
- High cycle life
- Meets tool access standard

### Material and Finish

Housing, trigger, actuator, pivot pin: Steel, zinc plated, or black zinc nickel plated

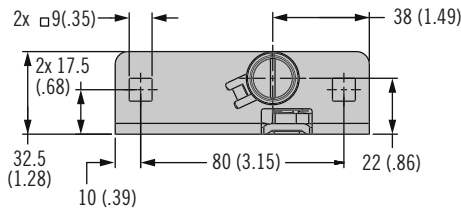
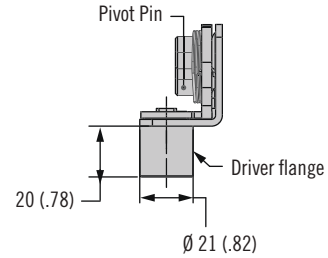
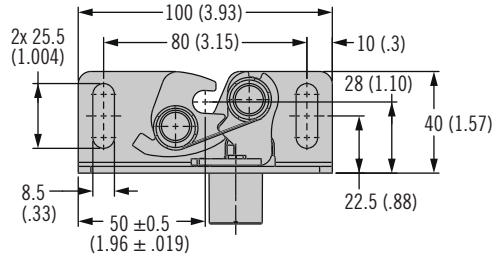
### Accessories

Standard head style keys see page 121  
 Heavy duty head style key see page 297C  
 Striker options see page 297C

### Notes

Electromechanical rotary latch available see page 20

### Standard Head Styles



(WW = 00 Shown)

### Standard Head Styles

<b>00</b>  Slotted recess	<b>01</b>  8 (.32) Hex recess	<b>02</b>  7 (.28) Triangle	<b>03</b>  8 (.32) Triangle	<b>04</b>  7 (.28) Square	<b>05</b>  8 (.32) Square	<b>06</b>  3 (.11) Double bit
<b>07</b>  5 (.19) Double bit	<b>08</b>  8 (.32) Square recess	<b>13</b>  Bellcore 216	<b>15</b>  9 (.32) Triangle	<b>19</b>  Bellcore electronics	<b>21</b>  Recessed Slot	<b>22</b>  Railway standard

### Part Number Selection

R4 - 15 - 10 - WW0 - XX

WW Actuation Style

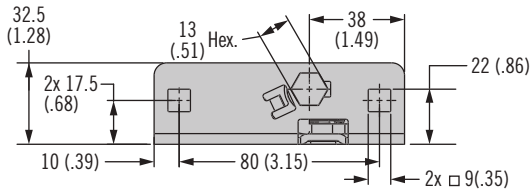
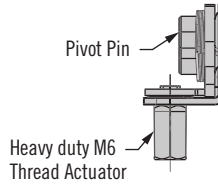
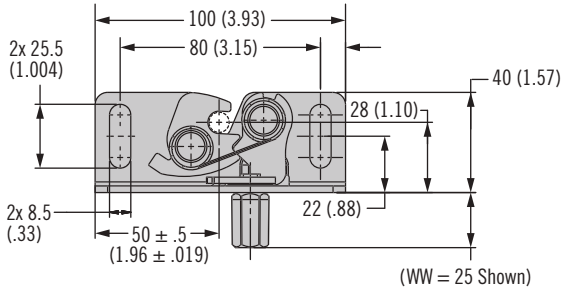
XX Latch finish  
 10 Zinc plated  
 15 Black zinc nickel plated

# R4 Rotary Latch

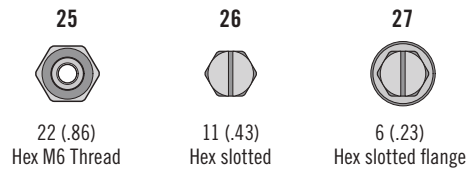
## Medium-Duty - Tool / Key Actuated



### Heavy Duty Head Styles



### ww Heavy Duty Head Styles



- Tool or key operation
- High cycle life
- Meets tool access standard

### Material and Finish

Housing, trigger, actuator, pivot pin: Steel, zinc plated, or black zinc nickel plated

### Accessories

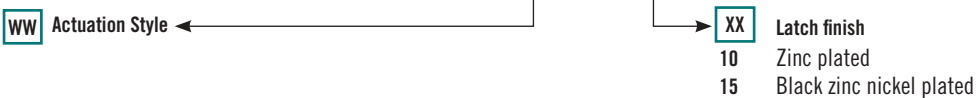
Standard head style keys see page 121  
 Heavy duty head style key see page 297C  
 Striker options see page 297C

### Notes

Electromechanical rotary latch available see page 20

### Part Number Selection

**R4 - 15 - 10 - WW0 - XX**





# R4 Rotary Latch

Medium-Duty - Tool / Key Actuated

- Tool or key operation
- High cycle life
- Meets tool access standard

## Material and Finish

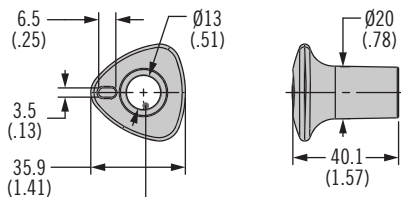
Housing, trigger, actuator, pivot pin: Steel, zinc plated, or black zinc nickel plated

## Accessories

Standard head style keys  
see page 121

## Notes

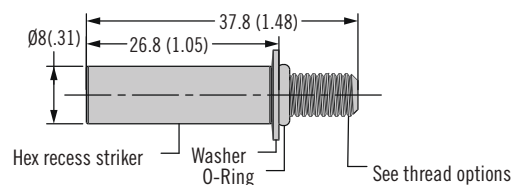
Electromechanical rotary latch  
available see page 20



### Key for Heavy Duty Head Styles

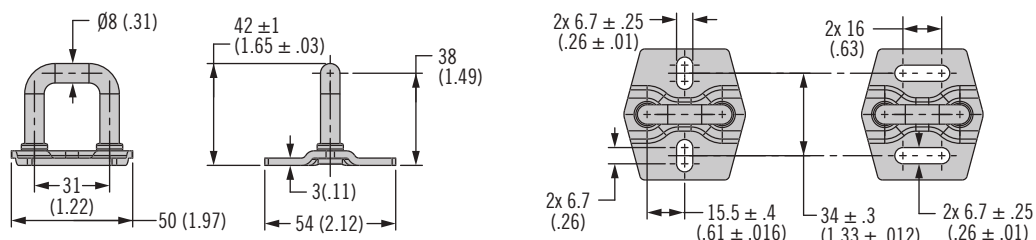
Part Number	Material	Finish
R4-64-500-10	Zamak	Zinc plated
R4-64-500-15	Zamak	Black zinc nickel

## Striker Bolt



Part Number	Thread	Material	Finish
R4-90-514-10	1/4-28 UNF	Steel	Zinc plated
R4-90-524-10	M6 x 1	Steel	Zinc plated
R4-90-514-15	1/4-28 UNF	Steel	Black zinc nickel
R4-90-524-15	M6 x 1	Steel	Black zinc nickel

## Wire Form Strikers



Part Number	Description	Material	Finish
R4-90-1504-10	U-Striker assembly, Perpendicular mount	Steel	Zinc plated
R4-90-1504-15	U-Striker assembly, Perpendicular mount	Steel	Black zinc nickel
R4-90-1506-10	U-Striker assembly, Parallel mount	Steel	Zinc plated
R4-90-1506-15	U-Striker assembly, Parallel mount	Steel	Black zinc nickel

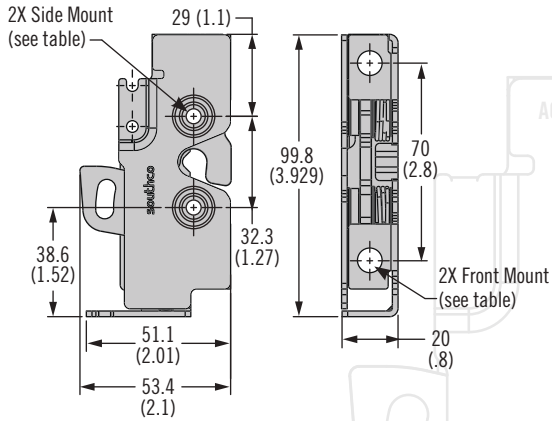
# R4 Rotary Latch

## Medium-Duty – Concealed

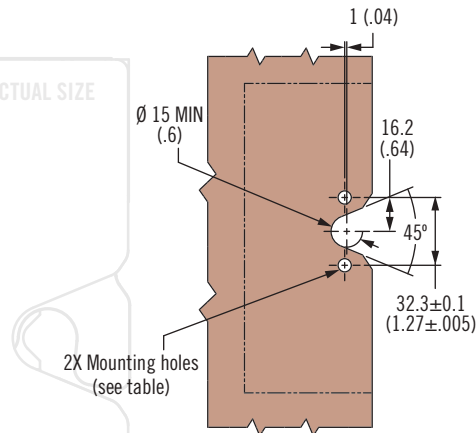


297D

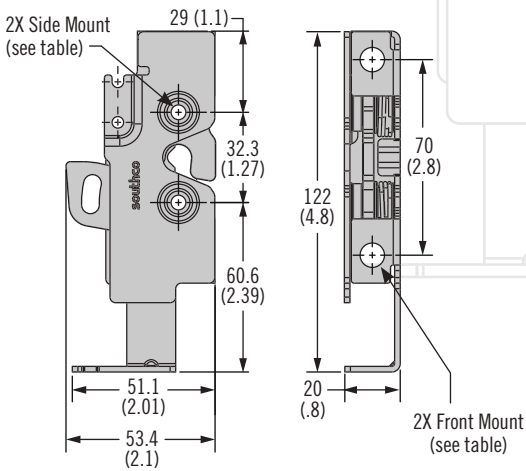
### Latch with mount for cable without return assist spring



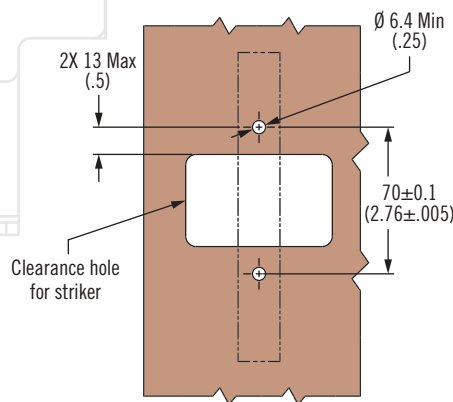
### Panel preparation side mount



### Latch with mount for cable with return assist spring



### Panel preparation front mount



- Symmetrical design with cable mount simplifies installation
- Integrated bumper reduces noise and dampens vibration
- Front or side mount

### Material and Finish

Steel, zinc plate or zinc nickel plate

### Accessories

Strikers see page 297 for 9mm diameter (integrated bumper) solutions.

Cables and retainer clips see pages 322-323

### Part Number Selection

**R4 - 25 - 2** **I** **0 - 5 0 0** **B** - **MM**

**I**

#### Mounting Style

- 0 Side mount Ø6.7(.283) thru
- 1 Side mount 1/4-20 thread
- 2 Side mount M6 x 1 thread
- 3 Front mount (M6) with side mount Ø6.7(.283) thru

**MM**

#### Material

- 10 Steel, zinc plated
- 15 Steel, black zinc nickel

**B**

#### Base Style

- 2 Mount for cable with return spring assist, no bumper
- 3 Mount for cable without return spring assist, no bumper
- 6 Mount for cable with return spring assist, with bumper
- 7 Mount for cable without return spring assist, with bumper



Dimensions in millimeters (inch) unless otherwise stated



# R4 Rotary Latch

Medium-Duty – Concealed – Electronic Operation and Door Sensing

- Symmetrical design with cable mount simplifies installation
- Integrated bumper reduces noise and dampens vibration
- Front or side mount
- Sensor verifies door closure
- Sealed (IP67) 12VDC actuator enables remote electrical operation
- Latch releases reliably under high load

### Material and Finish

Steel, zinc plate or zinc nickel plate

### Electronic specifications:

Operating voltage 12 VDC nominal  
 Operating current < 300mA  
 Temperature -40 to 80°C  
 Sealed (IP67 / Class 1 Division 2)

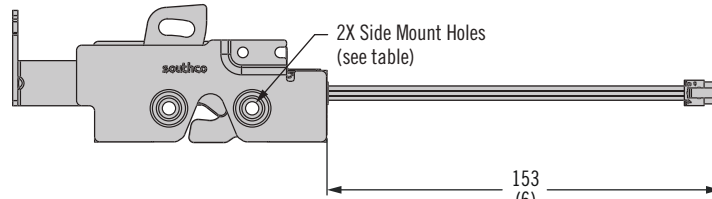
### Accessories

Strikers see page 297 for 9mm diameter (integrated bumper) solutions

Cables and retainer clips see pages 322-323

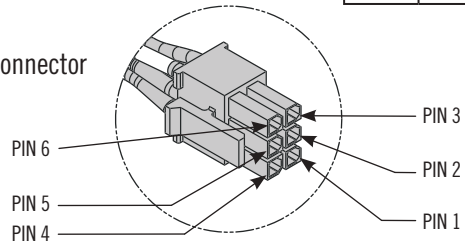
### Latch with door sensor

(with mount for cable with return assist spring shown)



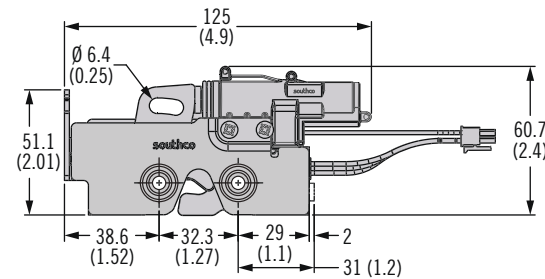
Switch Pin Out	
Pin	Function
1	No connect
2	No connect
3	No connect
4	Switch common
5	Door secure
6	Door open

Molex Micro-Fit 3.0 connector



### Latch with door sensor and sealed electronic actuator

(with mount for cable without return assist spring shown)



Switch with Actuator Pin Out	
Pin	Function
1	Ground
2	Power release
3	Power relock
4	Switch common
5	Door secure
6	Door open

Enable wireless operation with Southco's **BLUETOOTH®** Controller



### Part Number Selection

**R4 - 25 - 2 I S - 5 1 E B - MM**

- I** Mounting Style
  - 0 Side mount  $\varnothing 6.7(.283)$  thru
  - 1 Side mount 1/4-20 thread
  - 2 Side mount M6 x 1 thread
  - 3 Front mount (M6) with side mount  $\varnothing 6.7(.283)$  thru
- S** Latch Release Options
  - 0 Kick-out spring
  - 1 Pull-to-open
- E** Electronic Actuation Options
  - 0 None (latch with switch only)
  - B 12VDC sealed (latch with switch and electronic actuator)
  - 6 5VDC sealed (latch with switch and electronic actuator)
- B** Base Style
  - 2 Mount for cable with return spring assist, no bumper
  - 3 Mount for cable without return spring assist, no bumper
  - 6 Mount for cable with return spring assist, with bumper
  - 7 Mount for cable without return spring assist, with bumper
- MM** Material
  - 10 Steel, zinc plated
  - 15 Steel, black zinc nickel



# R4 Rotary Latch

Medium-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- Hand actuation option
- EN 45545-3 E60 Compliant

### Material and Finish

Steel, zinc plated or 304 stainless steel, passivated

### Accessories

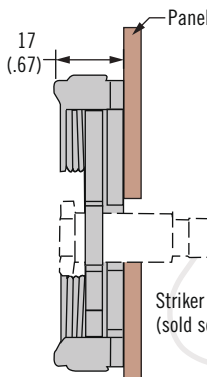
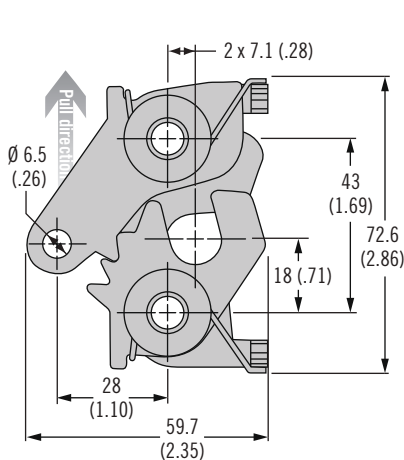
Cables and retainer clips see pages 322-323

### Notes

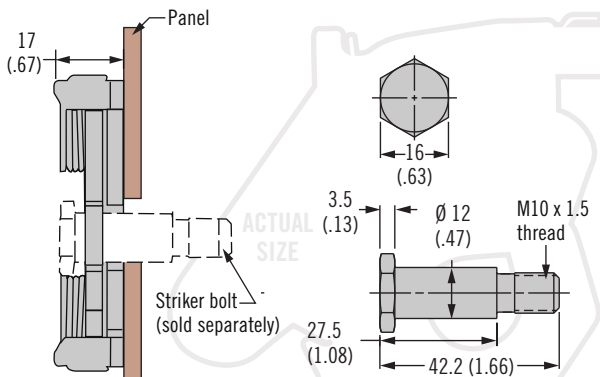
Electromechanical rotary latch available see page 20

For panel preparation visit [www.southco.com/R4](http://www.southco.com/R4)

### Remote Actuation (left hand, two stage version shown)

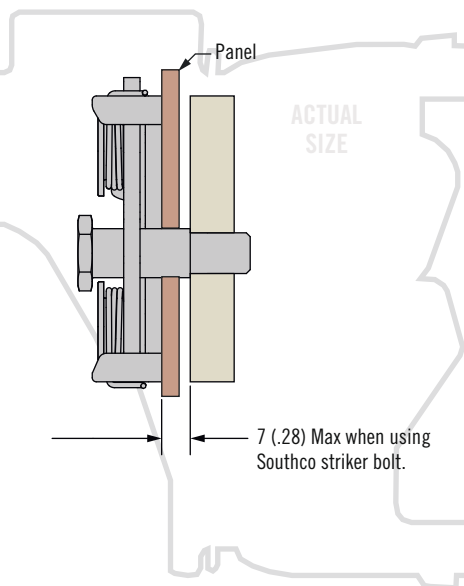
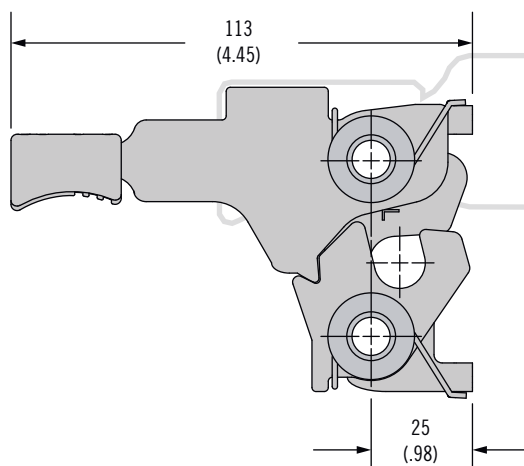


### Striker Bolt (sold separately)



Striker Bolt Part Numbers	
Part Number	Material
R4-91-231-10	Steel
R4-91-231-20	Stainless Steel

### Hand Actuation (left hand, single stage version shown)



### Part Number

See table

Order latch and striker separately

#### S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

#### I Mounting Style

- 0  $\varnothing$  8.3 (.327) thru
- 1 5/16-18 thread
- 2 M8 x 1.25 thread

R4 - 20 - S I - L 01 - M

#### M Material

- 10 Steel
- 20 Stainless steel

#### L Lever Type

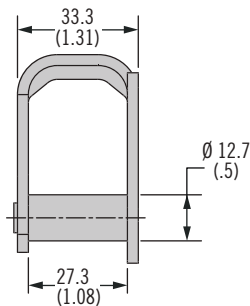
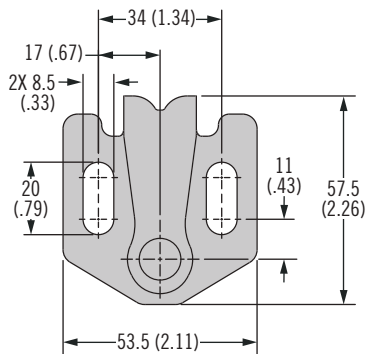
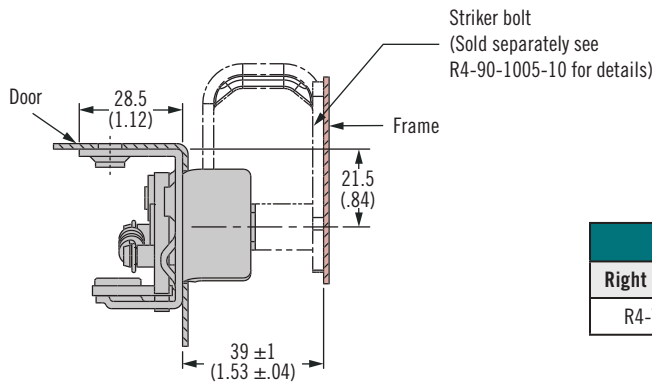
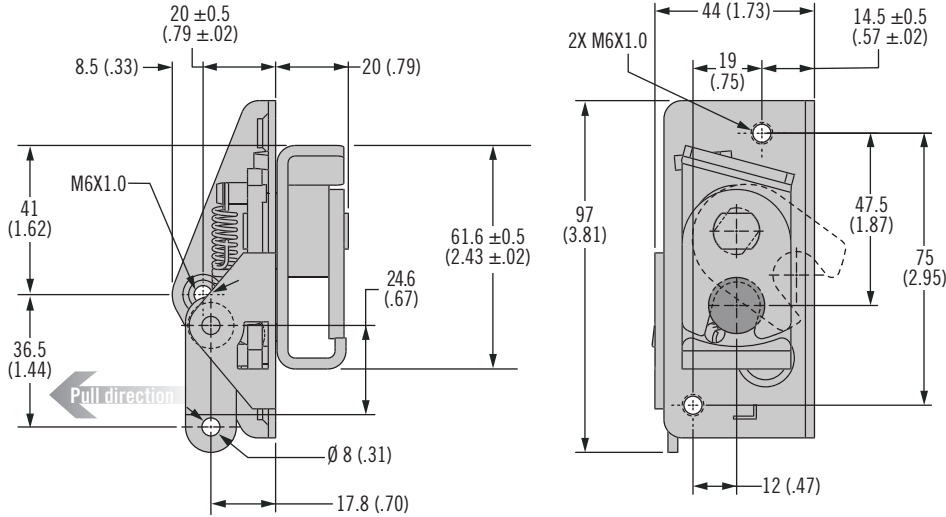
- 4 Hand actuation (steel only)
- 5 Bottom

# R4 Rotary Latch

Medium · Concealed · Debris Resistant · Two stage



## Two Stage (Left hand actuation shown)



- Compatible with a wide array of actuators
- Debris resistant concealed mounting
- Two stage latching



### Material and Finish

Steel, zinc plated

### Accessories

Retainer clip AC-9BX-20-34 see page 323

### Notes

Electromechanical rotary latch available see page 20



### Part Number

See table

Order latch and striker separately

Part Number	
Right Hand Actuation	Left Hand Actuation
R4-75-32-201-10	R4-72-42-201-10

Protected Striker	
Part Number	Material
R4-90-1005-10	Steel



# R4 Rotary Latch

Heavy-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- FMVSS 206 capable options
- EN 45545-3 E60 compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

### Material and Finish

- Steel, zinc plated
- Steel, zinc nickel plated (black and clear)
- Stainless steel, passivated

### Accessories

Cables and retainer clips see pages 322-323

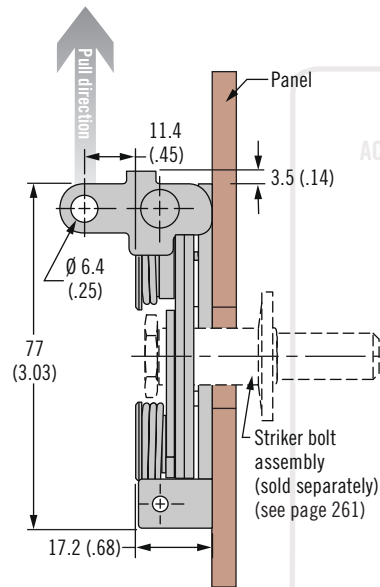
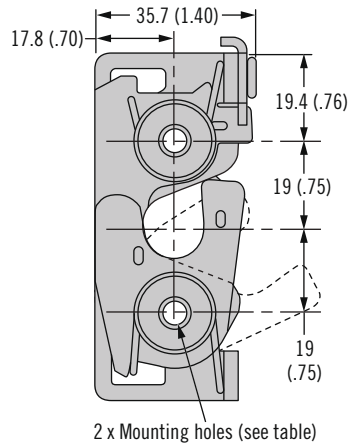
Striker options see page 301

### Notes

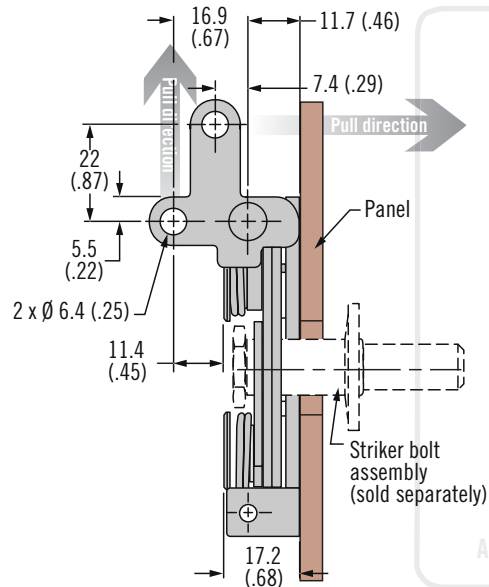
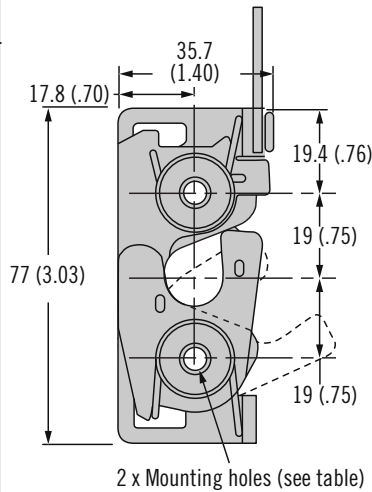
- R4-38-101-10 support plate sold separately for FMVSS 206 capability
- Mounts opposite of latch housing.



### Perpendicular (left hand actuation shown)



### 2-Point Actuator (left hand actuation shown)



### Part Number Selection

**R4 - 30 - S I - L O B - M**

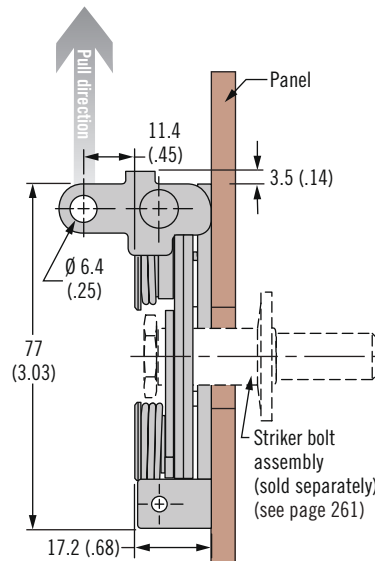
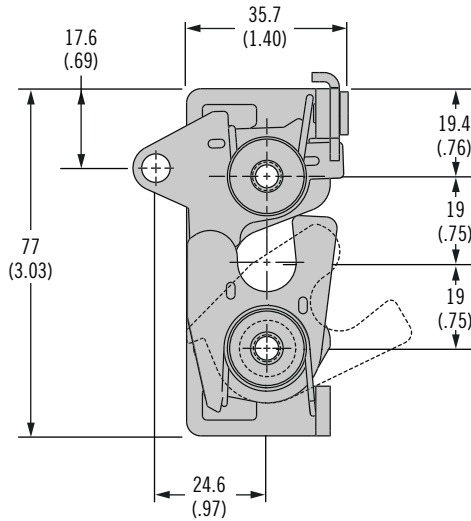
<p><b>S Stage &amp; Actuation</b></p> <ul style="list-style-type: none"> <li>1 Single stage, right hand</li> <li>2 Single stage, left hand</li> <li>3 Two stage, right hand</li> <li>4 Two stage, left hand</li> </ul>	<p><b>I Mounting Style</b></p> <ul style="list-style-type: none"> <li>0 Ø6.7 (.283) thru</li> <li>1 1/4-20 thread</li> <li>2 M6 x 1 thread</li> </ul>	<p><b>1 Base Style</b></p> <ul style="list-style-type: none"> <li>1 Standard</li> <li>5 Integrated bumper</li> </ul>	<p><b>L Lever Type</b></p> <ul style="list-style-type: none"> <li>1 Perpendicular</li> <li>3 Two point</li> <li>7 Dual Lever, Bottom &amp; Perpendicular</li> </ul>	<p><b>M Material</b></p> <ul style="list-style-type: none"> <li>10 Steel, zinc plated</li> <li>15 Steel, black zinc nickel</li> <li>77 Steel, clear zinc nickel</li> <li>20 Stainless steel</li> </ul>
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# R4 Rotary Latch

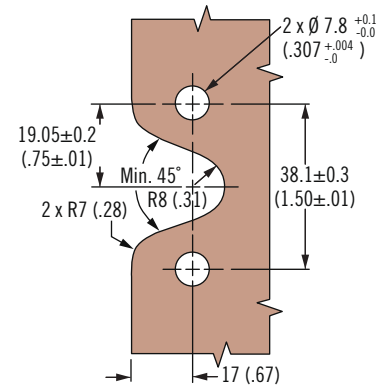
Heavy-Duty · Concealed · Single and Two stage



## Dual Trigger (left hand actuation shown)



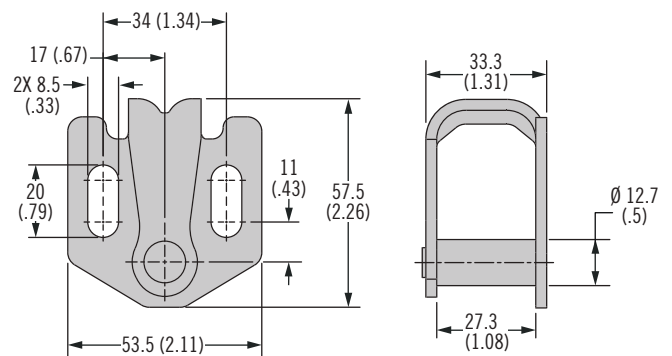
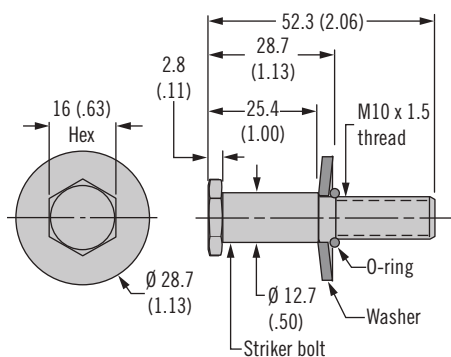
## Panel Preparation



## Strikers (sold separately)

Striker Bolt Part Number	
Part Number	Material
R4-90-321-10	Steel
R4-90-321-20	Stainless Steel

Protected Striker	
Part Number	Material
R4-90-1005-10	Steel
*Not FMVSS 206 Capable	





# R4 Rotary Latch

Heavy-Duty · Concealed · Single and two stage

- Compatible with wide array of actuators
- FMVSS 206 capable options
- EN 45545-3 E60 compliant (Standard version only)
- Integrated bumper version for anti-vibration feature

## Material and Finish

Steel, zinc plated  
Steel, zinc nickel plated (black and clear)  
Stainless steel, passivated

## Accessories

Cables and retainer clips see pages 322-323

Striker options see page 301

## Notes

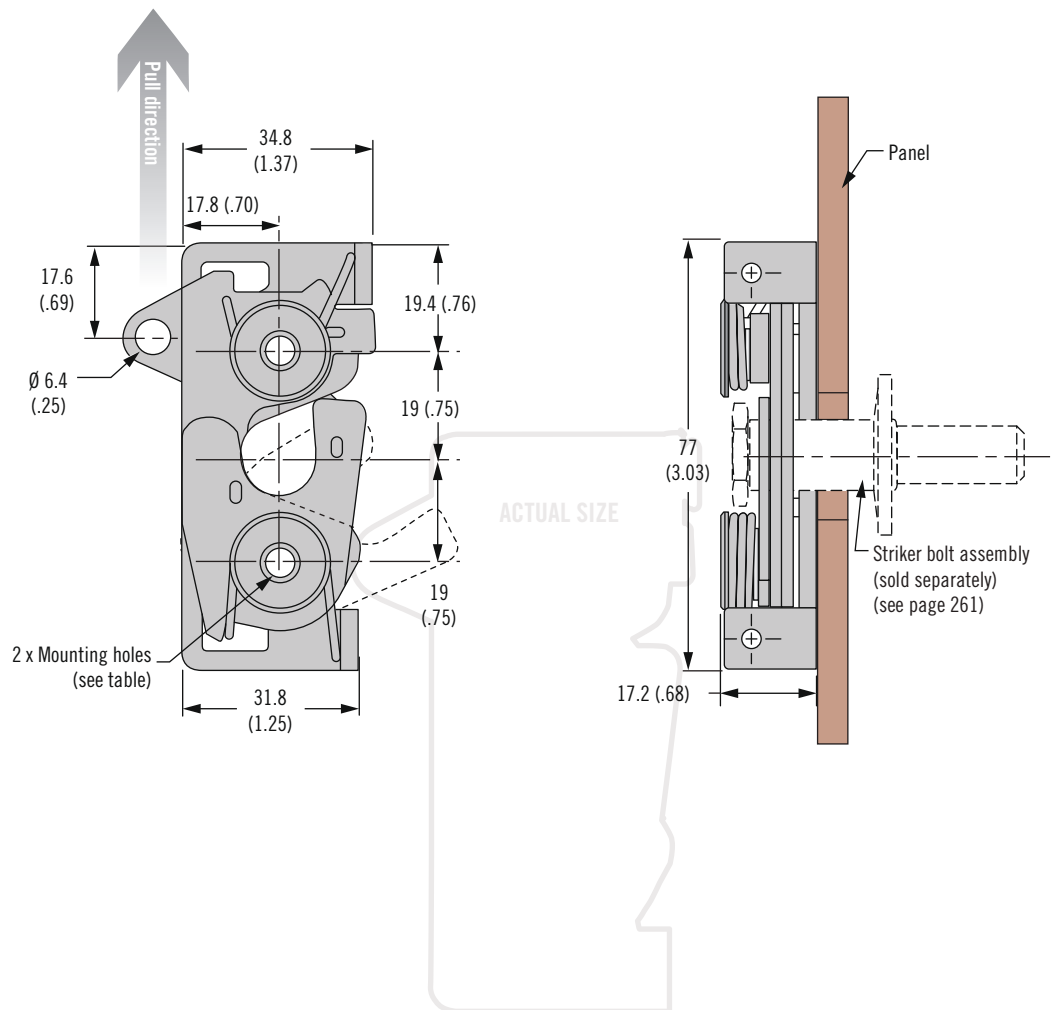
R4-38-101-10 support plate sold separately for FMVSS 206 capability  
Mounts opposite of latch housing.



## Part Number Selection

## Bottom

(left hand actuation shown)



### S Stage & Actuation

- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

R4 - 30 - **S** **I** - 50 **B** - **M**

### I Mounting Style

- 0  $\varnothing 6.7$  (.283) thru
- 1 1/4-20 thread
- 2 M6 x 1 thread

### 1 Base Style

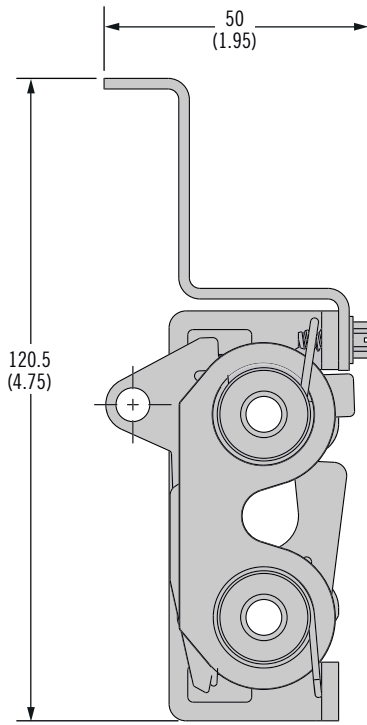
- 1 Standard
- 2 Standard with cable bracket for spring
- 3 Standard with cable bracket no spring
- 5 Integrated bumper
- 6 Integrated bumper with cable bracket for spring
- 7 Integrated bumper with cable bracket no spring

### M Material

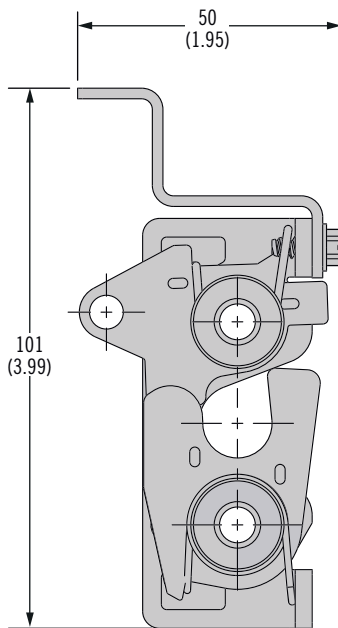
- 10 Steel, zinc plated
- 15 Steel, black zinc nickel plated
- 77 Steel, clear zinc nickel
- 20 Stainless steel

## Bottom with cable bracket

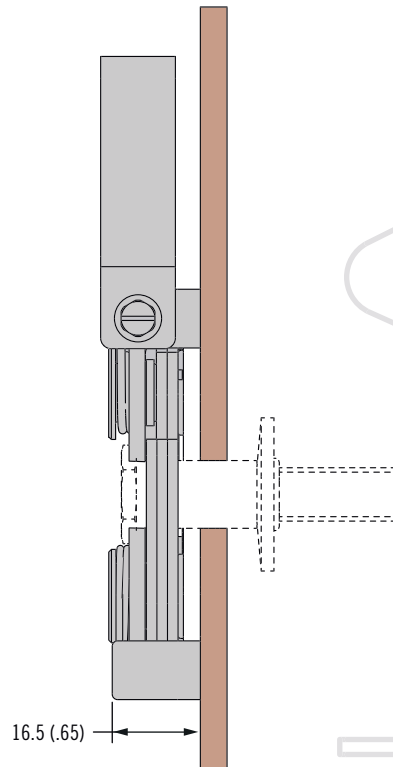
(left hand actuation shown)



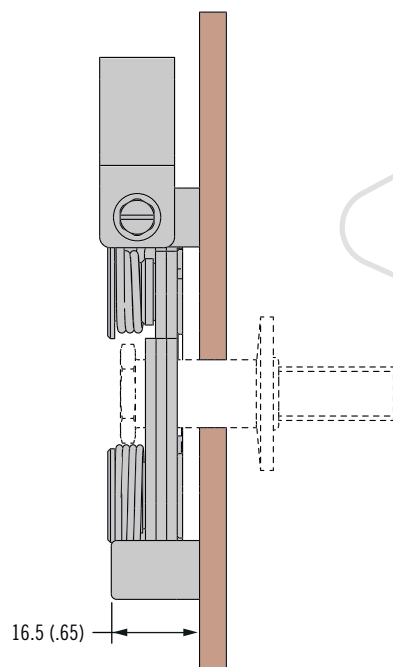
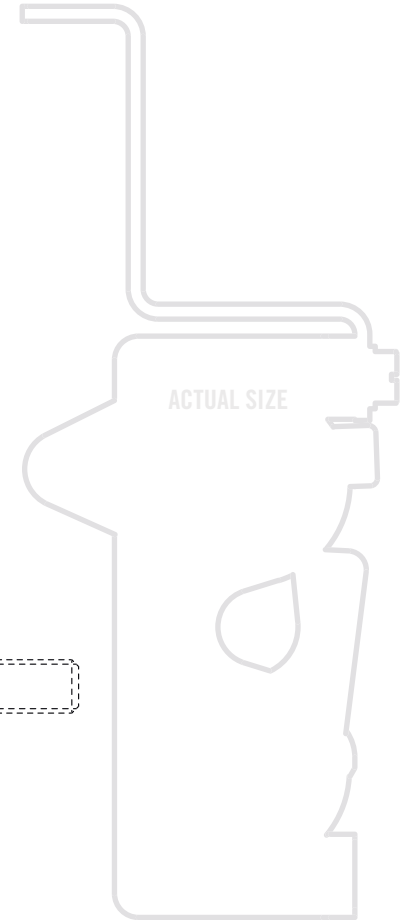
(with bumper shown)



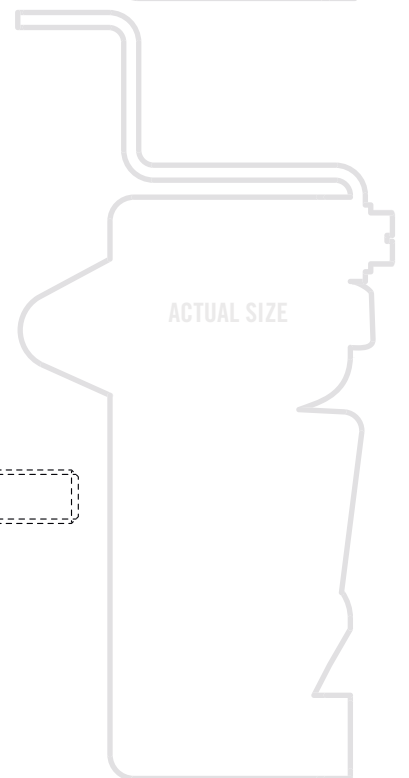
(without bumper shown)



16.5 (.65)



16.5 (.65)





# R4 Rotary Latch

## Heavy-duty · Two stage

- Single or multi-point latch capability
- Compatible with a wide array of actuators
- FMVSS 206 capable
- EN 45545-3 E60 compliant

### Material and Finish

Steel, zinc plated

### Accessories

Cables and retainer clips see pages 322-323

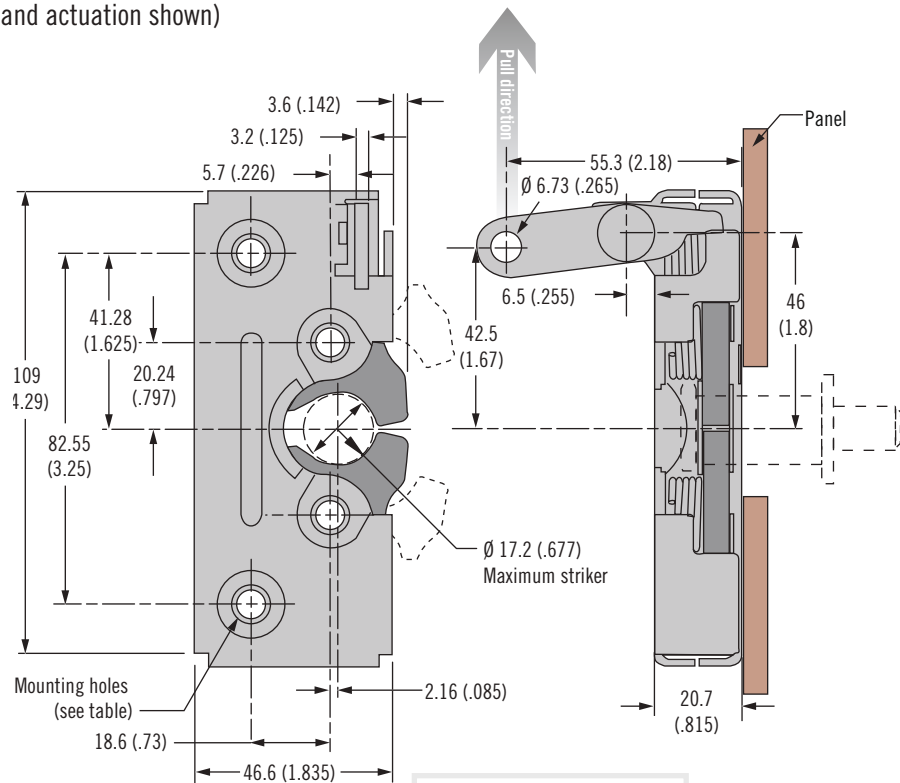
### Notes

Electromechanical rotary latches available see page 20

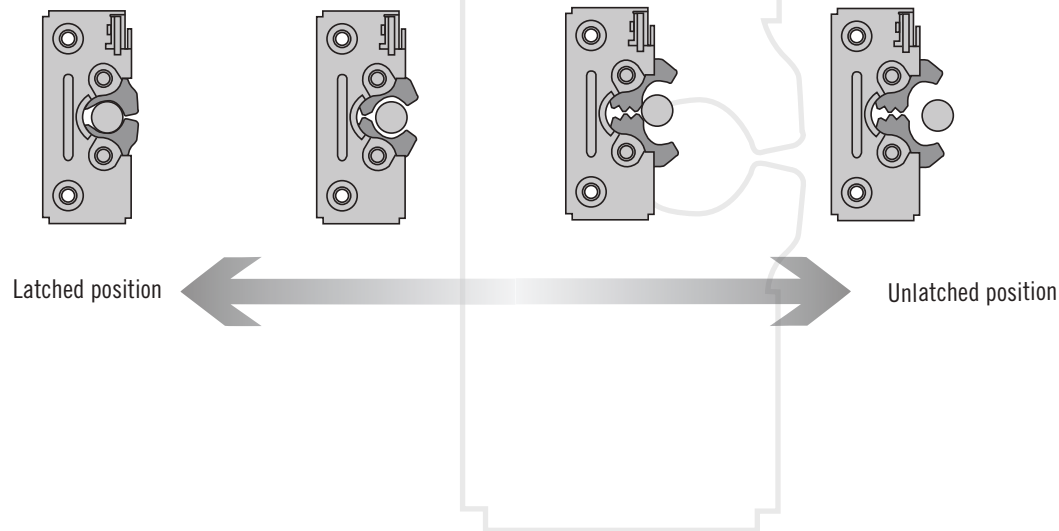
For panel preparation visit [www.southco.com/R4](http://www.southco.com/R4)

Striker Bolt Assembly (sold separately): R4-90-441-10

### Single Trigger, Perpendicular Actuation (left hand actuation shown)



### Operation





## Part Number Selection

R4 - 50 - **S** **I** - 101 - 10

### **S** Stage & Actuation

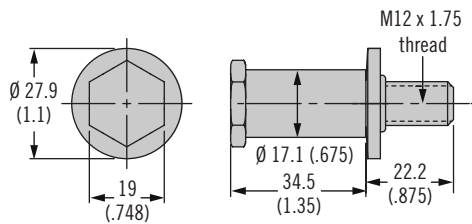
- 1 Single stage, right hand
- 2 Single stage, left hand
- 3 Two stage, right hand
- 4 Two stage, left hand

### **I** Mounting Style

- 0 7.2mm thru hole
- 1 1/4-20 thread
- 2 M6 thread

### Striker Bolt Assembly (sold separately)

R4-90-441-10 Steel, Zinc Plated





# R4 Rotary Latch

Heavy-Duty – Concealed – Electronic Operation and Door Sensing

- High strength door retention (FMVSS 206)
- Sensor verifies door closure
- Exceptional cycle life
- Quick release
- Sealed actuator
- Releases reliably under high load

### Material and Finish

Latch: steel, zinc plate or zinc nickel plate  
 Actuator: PC/ABS, acetal, silicone, buna seals

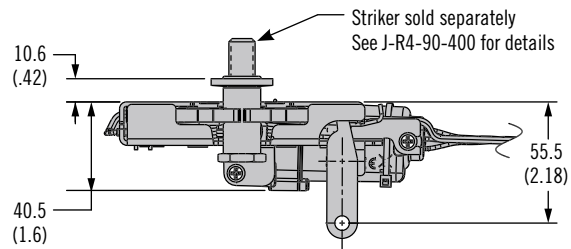
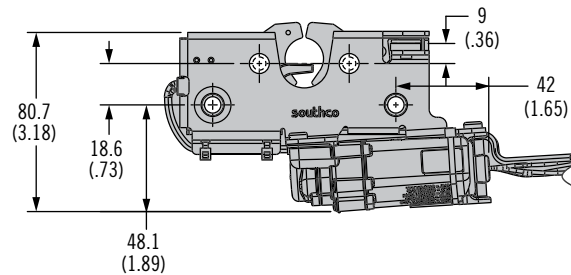
### Electronic specifications:

Operating voltage 12 VDC nominal  
 Operating current < 600mA  
 Temperature -40 to 80°C  
 Sealed (IP65)

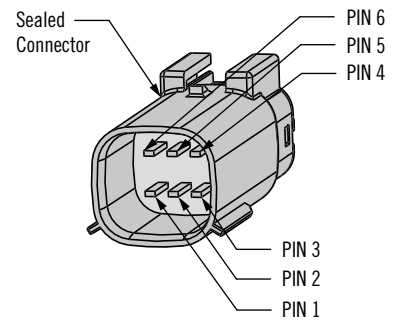
### Accessories

Striker Bolt Assembly (sold separately) R4-90-441-10  
 Cables and retainer clips see pages 322-323

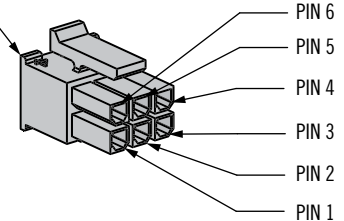
### Latch with door sensor, 12V sealed electronic actuator (right hand actuation shown)



Connector options (See below)



Non-Sealed Connector



Connector Pinout		
Pin	Wire Color	Function
1	Brown	Ground
2	Red	Power release
3	Orange	Power relock
4	Black	Switch common
5	Blue	Door secure
6	Grey	Door open



Enable wireless operation with Southco's **BLUETOOTH®** Controller

### Part Number Selection

**R4 - 50 - S I - 1 E 1 - 10**

- I** Stage & Actuation
- 3 Two stage right hand
  - 4 Two stage left hand

- I** Mounting Style
- 0 7.2 mm thru hole
  - 1 1/4-20 threaded
  - 2 M6 threaded

- E** Electronics
- EA With switch and actuator, non-sealed connector
  - EB With switch and actuator, stripped & tinned wires
  - EC With switch and actuator, sealed connector

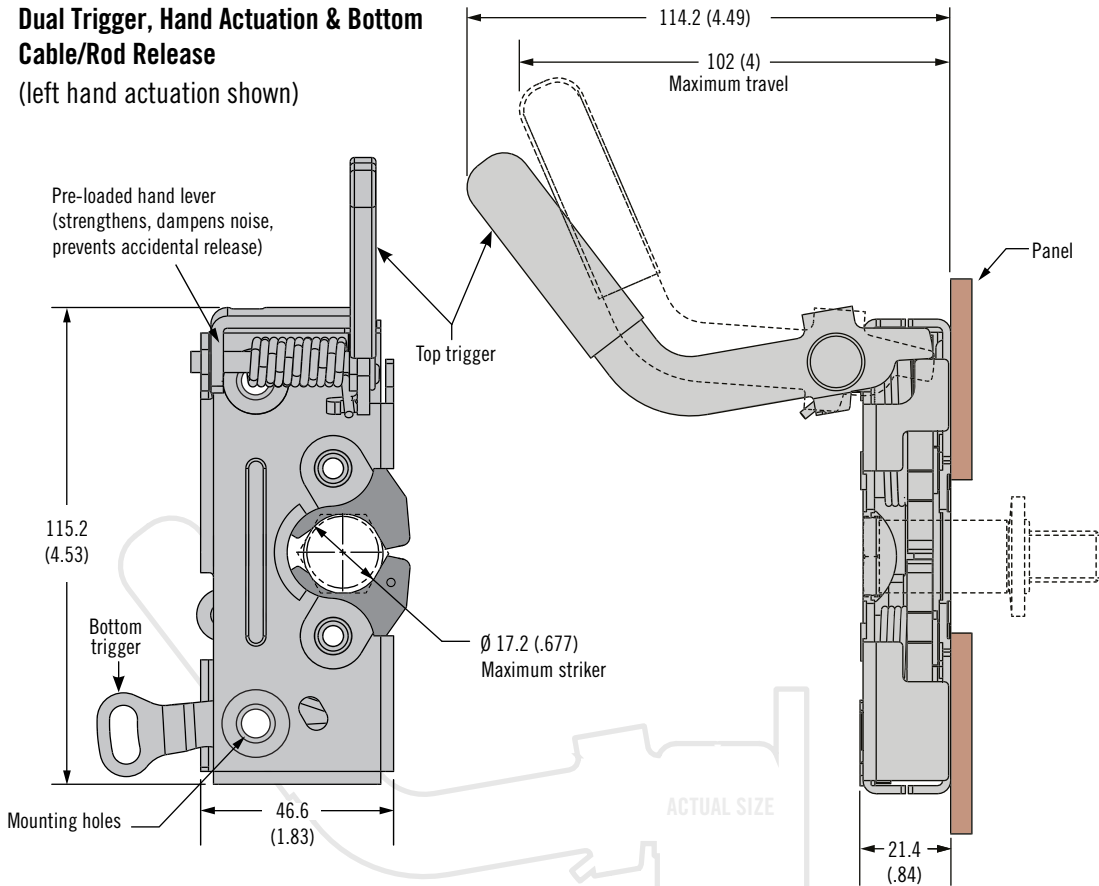
# R4 Rotary Latch

Heavy-duty · Two stage · Dual trigger



305B

## Dual Trigger, Hand Actuation & Bottom Cable/Rod Release (left hand actuation shown)



- Independent interior and exterior actuation
- Compatible with a wide array of actuators
- FMVSS 206 capable
- EN 45545-3 E60 compliant

### Material and Finish

Steel, zinc plated

### Accessories

Cables and retainer clips  
see pages 322-323

For panel preparation visit  
[www.southco.com/R4](http://www.southco.com/R4)

Striker Bolt Assembly  
(sold separately): R4-90-441-10

Additional top triggers available  
see page 305C

### Part Number Selection

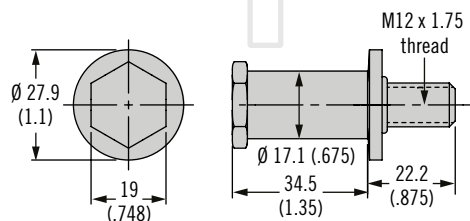
- S Stage & Actuation**
- 3 Two stage, right hand
  - 4 Two stage, left hand

- I Mounting Style**
- 0  $\varnothing 7.2$  (.283) thru
  - 1 1/4-20 thread
  - 2 M6 x 1 thread

**R4 - 50 - S I - L 5 1 - 10**

- L Hand Lever**
- 4A Straight lever
  - 4B Bent lever

Striker Bolt Assembly (sold separately)	
Part Number	Material
R4-90-441-10	Steel, Zinc Plated





# R4 Rotary Latch

Heavy-duty · Two stage · Dual trigger

- Independent interior and exterior actuation
- Compatible with a wide array of actuators
- FMVSS 206 capable
- EN 45545-3 E60 compliant

### Material and Finish

Steel, zinc plated

### Accessories

Cables and retainer clips see pages 322-323

For panel preparation visit [www.southco.com/R4](http://www.southco.com/R4)

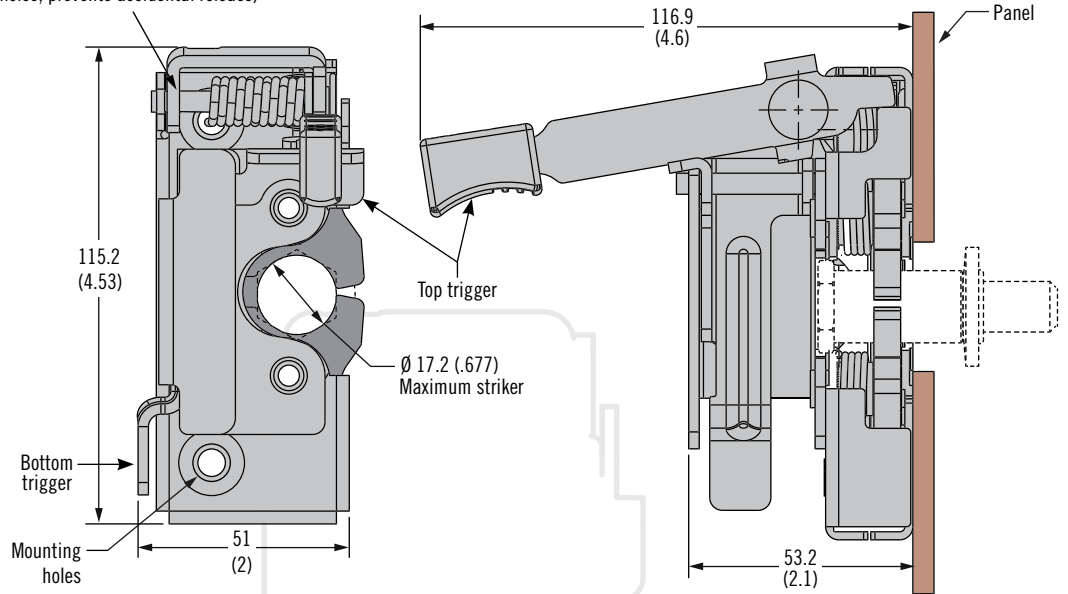
Striker Bolt Assembly (sold separately): R4-90-441-10

Additional top triggers available see page 305C

### Dual Trigger, Hand Actuation & Bottom Push Release

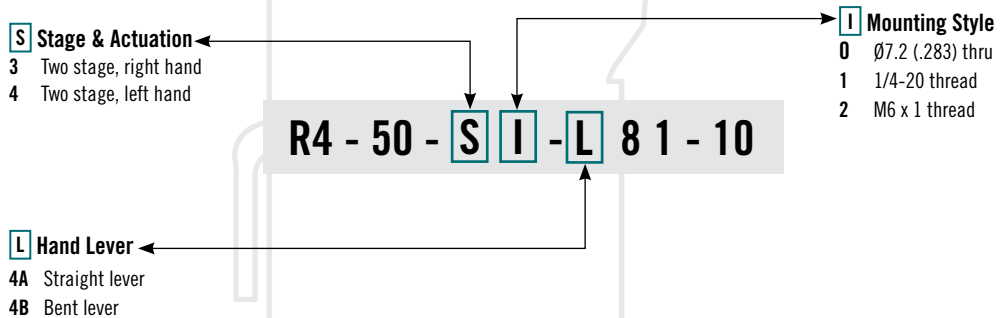
(left hand actuation shown)

Pre-loaded hand lever (strengthens, dampens noise, prevents accidental release)



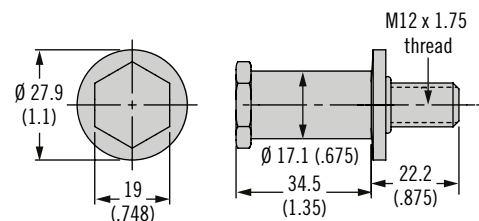
ACTUAL SIZE

### Part Number Selection



**Striker Bolt Assembly (sold separately)**

Part Number	Material
R4-90-441-10	Steel, Zinc Plated



# R4 Rotary Latch Top Trigger Options

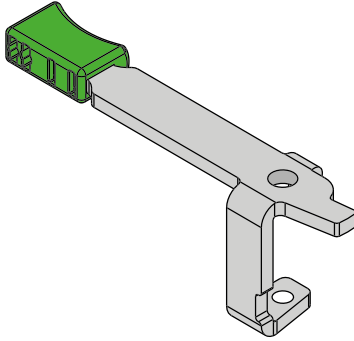


305D

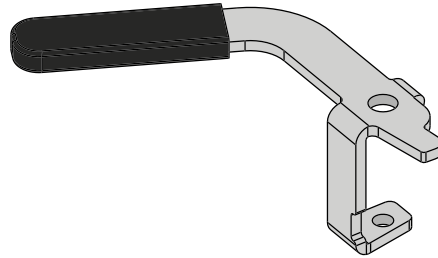
## Top levers for hand-actuated R4-50 dual trigger latches

### Hand Lever

**Straight Lever (4A)**



**Bent Lever (4B)**



### Notes

For use with R4-50 Heavy Duty Two Stage Dual Trigger Latches only





# R4-81 Rotary Paddle Latch

Pull-to-open

- Rear mount installation
- Direct actuation, no cable or rod required
- Single or two stage latching
- Integrated bumper option
- Environmentally sealed

### Material and Finish

Housing: Glass-filled nylon, black

Paddle: Zinc alloy, black powder coated or chrome plated

### Installation Notes

Maximum tightening torque on supplied mounting nuts 3 N·m (27 in·lbf)

### Accessories

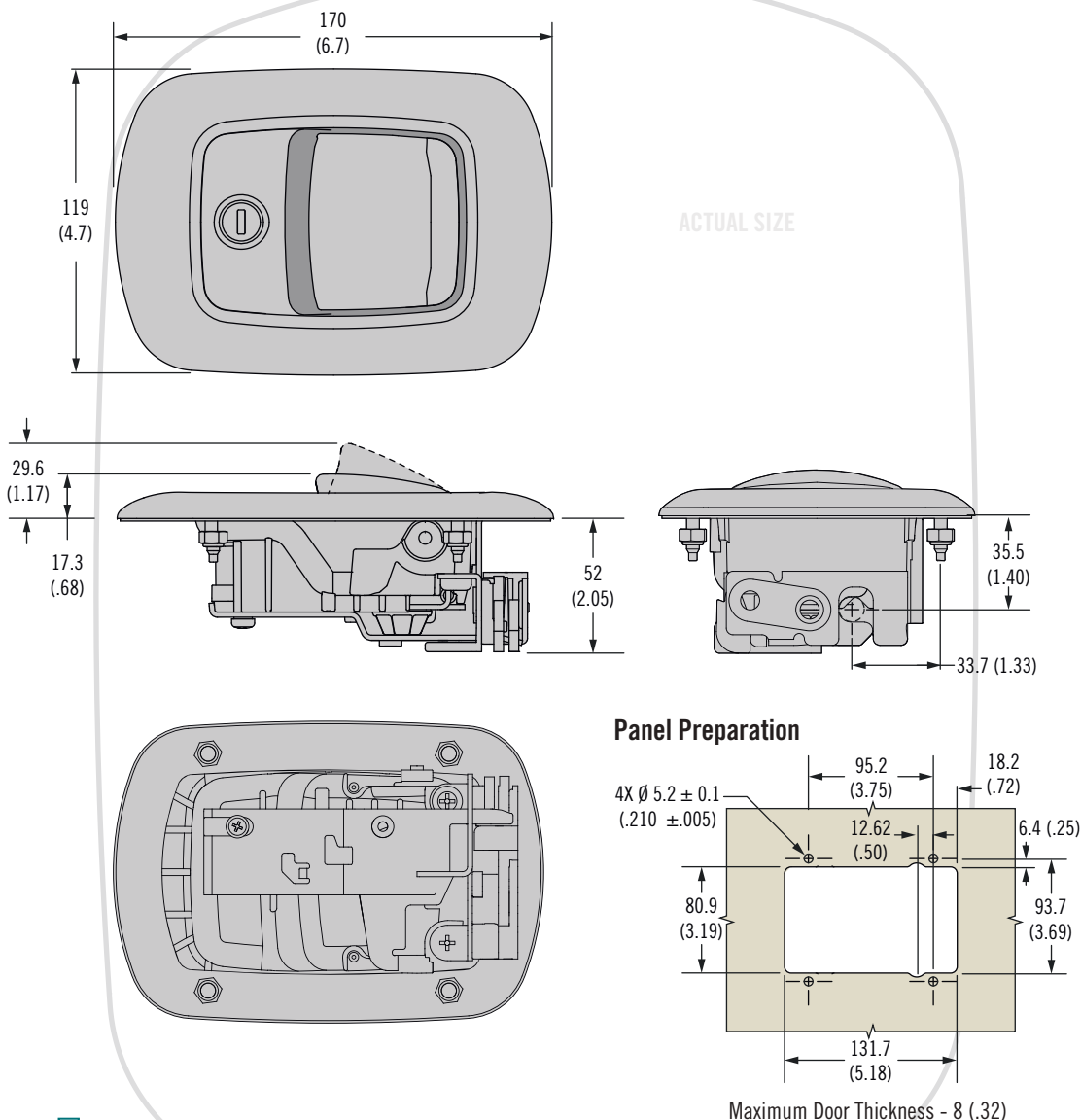
Striker bolt see page 297

### Notes

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

### Part Number

See table



- [S] Stage & Bumper**
- 2 Single Stage
  - 4 Two Stage
  - 6 Single Stage with Integrated Bumper
  - 8 Two Stage with Integrated Bumper

- [PP] Paddle Finish**
- 30 Chrome, polished
  - 50 Black powder coated

**R4 - 81 - [S] [L] 1 - [PP] - [KC]**

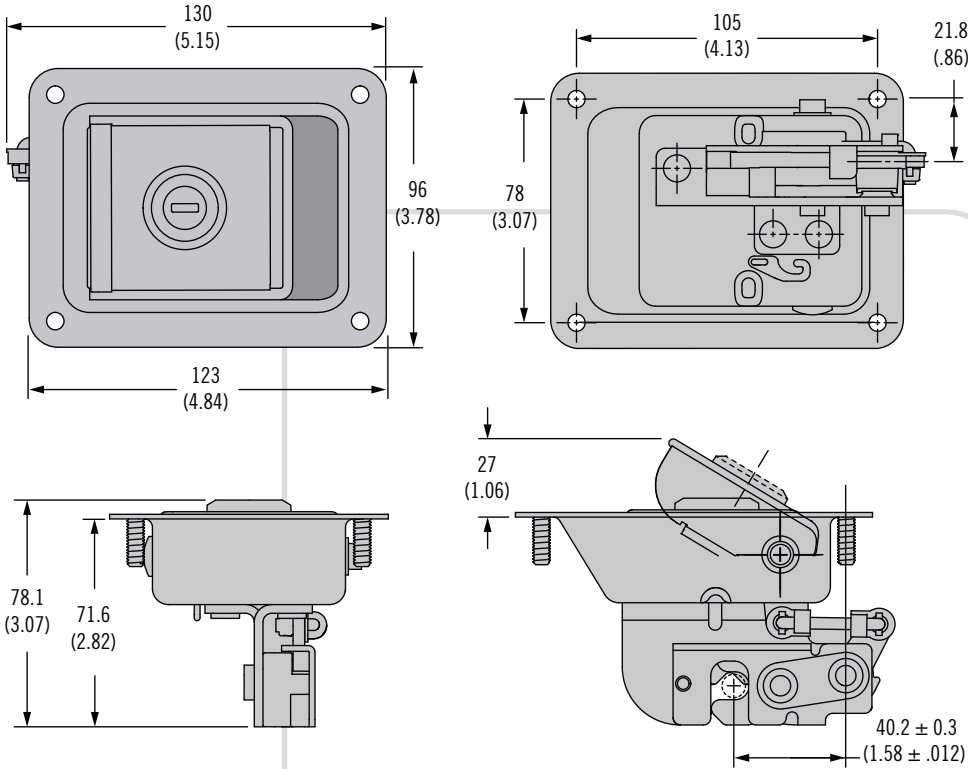
- [L] Locking Options**
- 1 Reversible Key (No Keys - R001)
  - 2 Reversible Key (2 Keys included - R001)
  - 3 Reversible Key (2 keys included - Keyed differently)
  - 4 Standard Key (No keys - CH751)
  - 5 Standard Key (2 Keys included - CH751)
  - 6 Standard Key (2 keys included - Keyed differently)
  - 9 No Lock Plug installed (See notes for more information)

- [KC] Key Codes**
- (Omit for Locking Options 1, 2, 4, 5 and 9)
- \*KD10 Keyed Differently (Only used if [L]=3 or 6)
  - \*MK10 Master Keyed Differently (Only used if [L]=6)

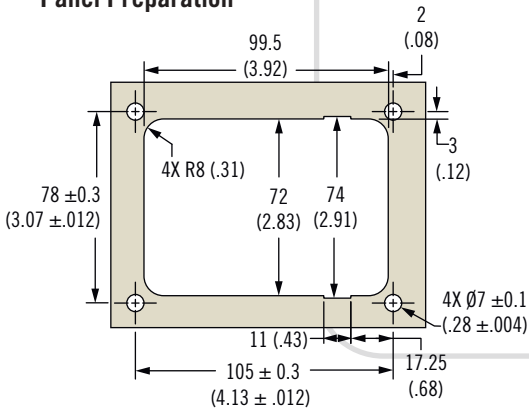
\*Supplied in multiples of 10 with 10 different key codes.

# R4-82 Rotary Paddle Latch

## Pull-to-open



### Panel Preparation



ACTUAL SIZE

- Direct actuation, no cable or rod required
- Single or two stage latching
- Integrated bumper
- Thru hole or stud mounting options

### Material and Finish

Cup and handle: Steel, zinc plated or black powder coat

Lock slide, latch frame, pawl, trigger: Steel, zinc plated

### Installation Notes

Thru hole: M5 or #8 screws recommended

Studs: Use M6 mounting nuts (max tightening torque 7 N·m (62 in·lbf))

Studs: Max panel thickness 10 (.39)

### Accessories

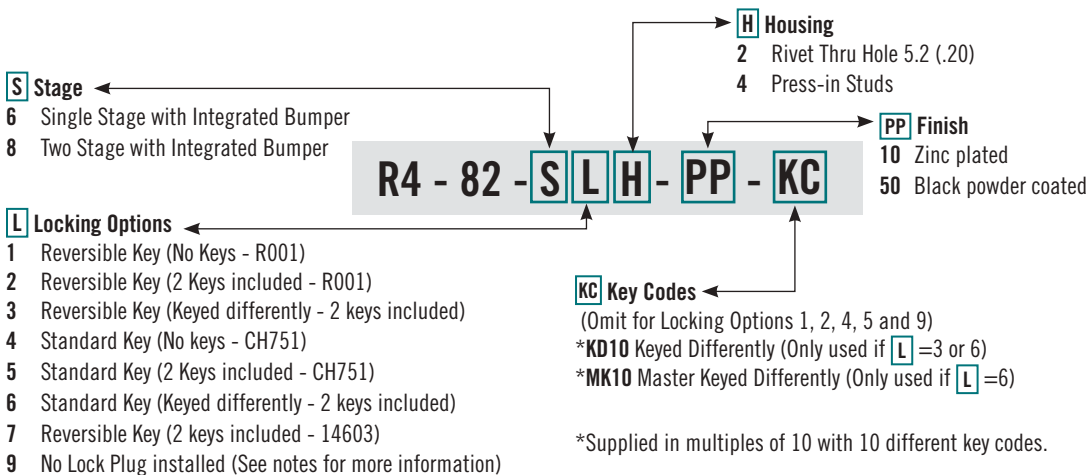
Striker bolt see page 297

### Notes

For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

### Part Number Selection

See table

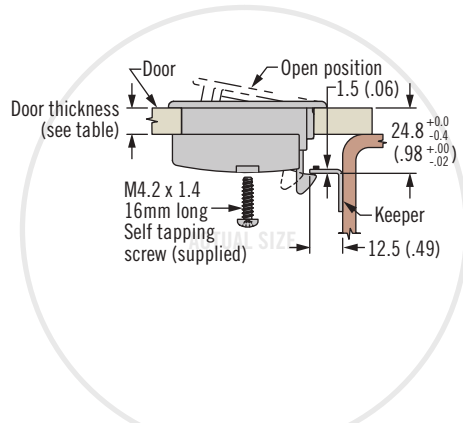
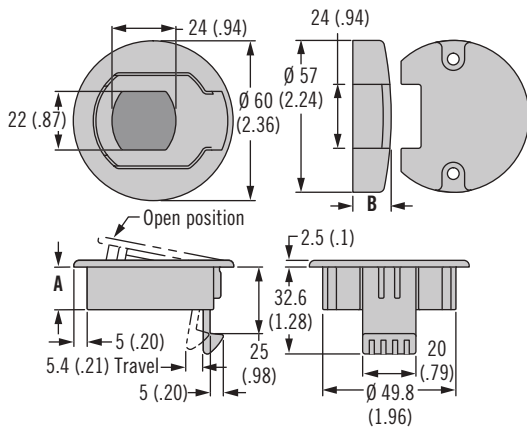


# M1 Push-to-Close Latch

## Lift-to-open · Flush



### Mounting Cup



Door Thickness Range	A	B	Part Number
1 - 7 (.04 - .28)	16 (.63)	20.4 (.80)	M1-81
7 - 13 (.28 - .51)	16 (.63)	14.3 (.57)	M1-82
13 - 19 (.51 - .75)	22 (.87)	14.3 (.57)	M1-83

- Low profile
- Non-corrosive and non-conductive

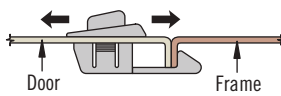
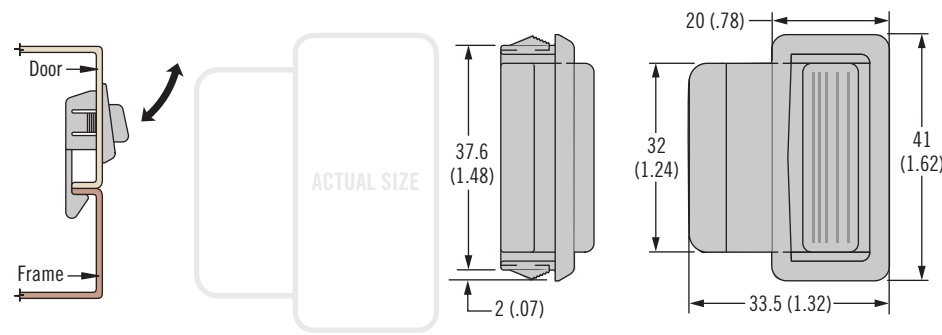
### Material and Finish

Latch: Acetal, black  
 Mounting hardware: Stainless steel

[www.southco.com/M1](http://www.southco.com/M1)

# 80 Push-to-Close Latch

## Push-to-open · Snap-in

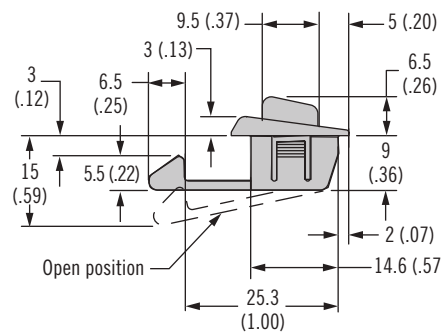


Colour	Part Number
White	80-201
Black	80-202

- Snap-in installation
- Non-corrosive and non-conductive
- Suitable for sliding or hinged doors

### Material and Finish

Acetal, black or white





## 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Miniature

- Single hole installation
- Concealed mounting
- Plastic slide

### Material and Finish

Stainless steel, passivated and brushed finish and glass-filled reinforced nylon, black

### Performance Details

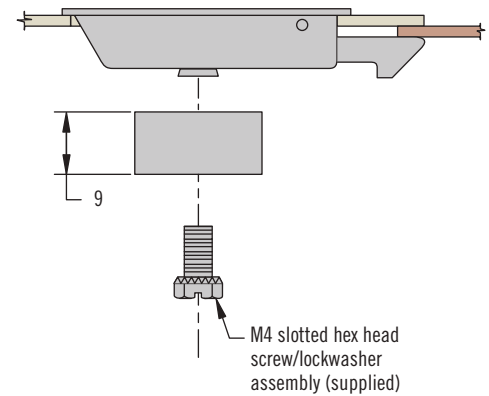
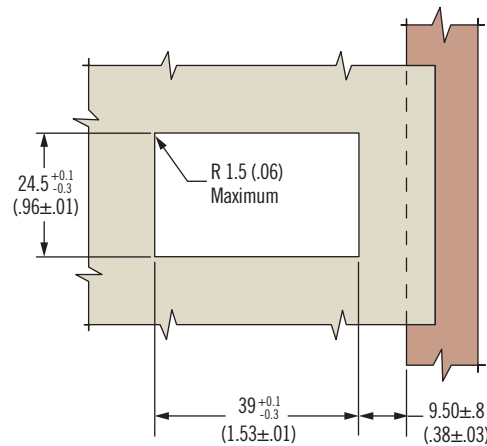
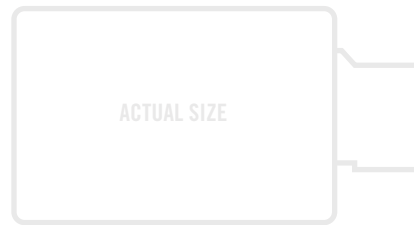
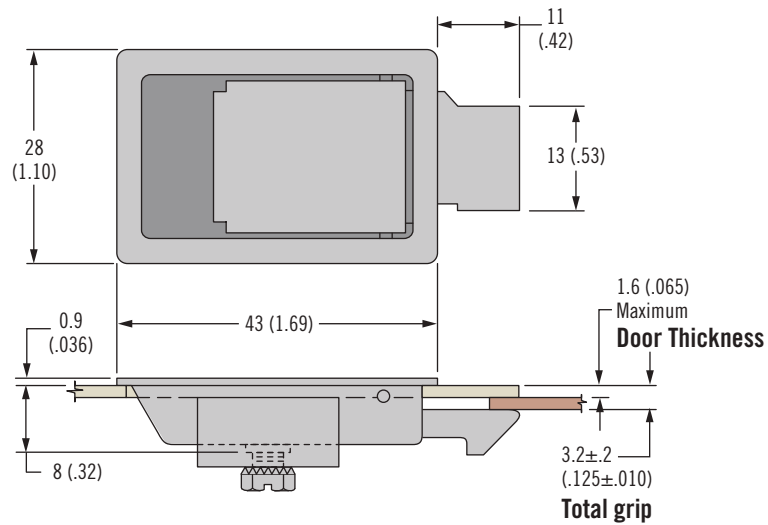
Max. working load: 90 N (20 lbf)

Operating temperature range:  
-18°C (0°F) to 100°C (210°F)

Flammability rating: UL94-V0

### Installation Notes

Maximum tightening torque on mounting screws: 0.9 N·m (8 in·lbf)



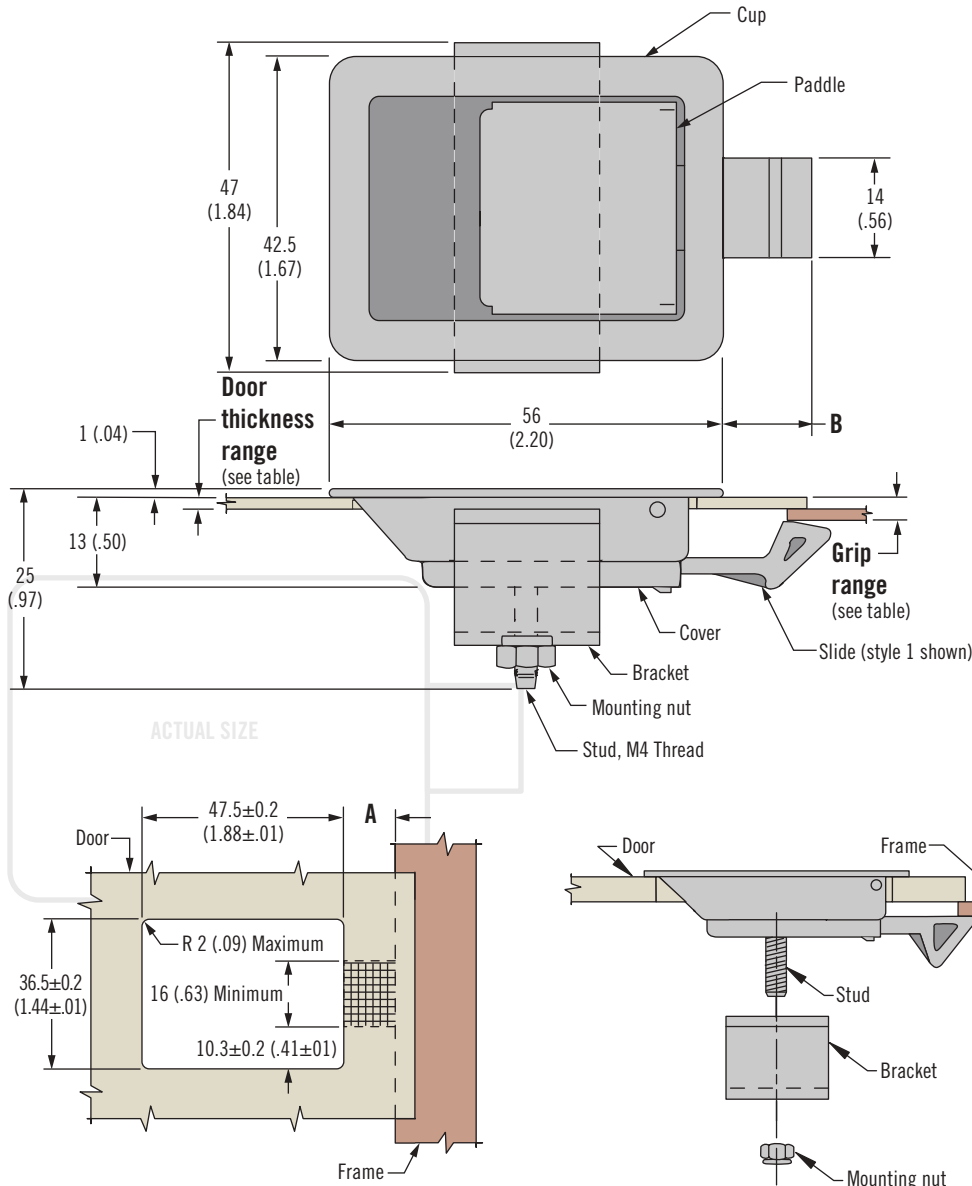
### Part Number

See table

Part Number
64-01-10

# 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Small



- Single hole installation
- Concealed mounting
- Plastic slide

### Material and Finish

Stainless steel, passivated and brushed or black powder coated and glass-filled reinforced nylon, natural

### Performance Details

Max. working load:

Style	Max. Static Load N
1	130 (30)
2	110 (25)
3	90 (20)
4	70 (15)
5	55 (12)

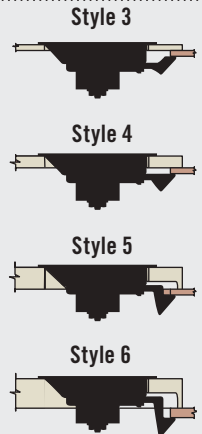
Operating temperature range:  
-18°C (0°F) to 100°C (210°F)

Flammability rating: UL94-V0

### Installation Notes

Door thickness must not exceed T dimension (see table) in area through which slide will operate. It may be necessary to reduce thickness of door in area indicated by grid.

Slide styles:



Grip Range		Slide Style	A		B	T (See Notes)	Part Number Brushed Finish			
Min.	Max.		Min.	Max.			Door Thickness Range			
							3.7 (.144) Maximum	3.9 - 7.3 (.154 - .288)	11.1 - 14.6 (.437 - .576)	18.6 - 22 (.734 - .868)
1.2 (.05)	2 (.08)	1	10.4 (.41)	12.7 (.50)	12.4 (.49)	1.6 (.063)	64-10-111-50	~	~	~
2.8 (.11)	3.6 (.14)	3	11.9 (.47)	14.2 (.56)	14.2 (.56)	3.2 (.125)	64-10-113-50	64-10-133-50	~	~
6 (.23)	6.7 (.27)	4				6.4 (.250)	64-10-124-50	64-10-114-50	~	~
12.3 (.48)	13.1 (.52)	5				7.1 (.281)	64-10-125-50	64-10-135-50	64-10-115-50	64-10-115-50
18.6 (.73)	19.4 (.77)	6				7.1 (.281)	64-10-126-50	~	64-10-116-50	64-10-116-50

### Notes

For an assembly with black powder coated finish change last digit from 0 to 5 - Example: 64-10-111-55



# 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Small

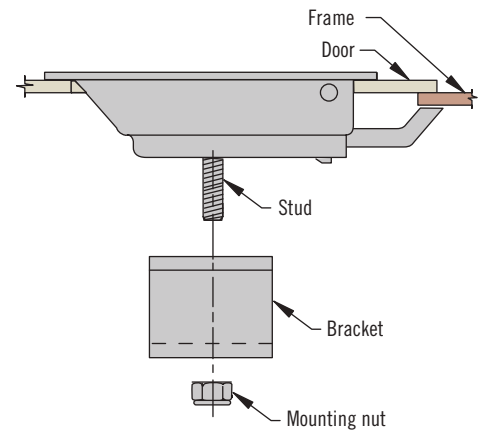
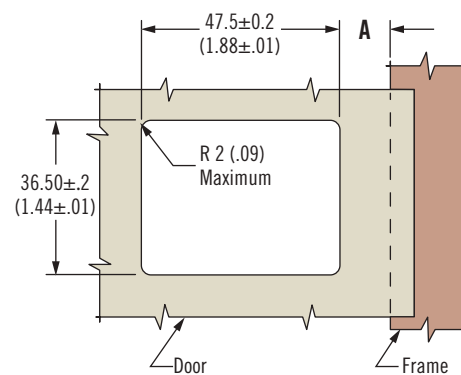
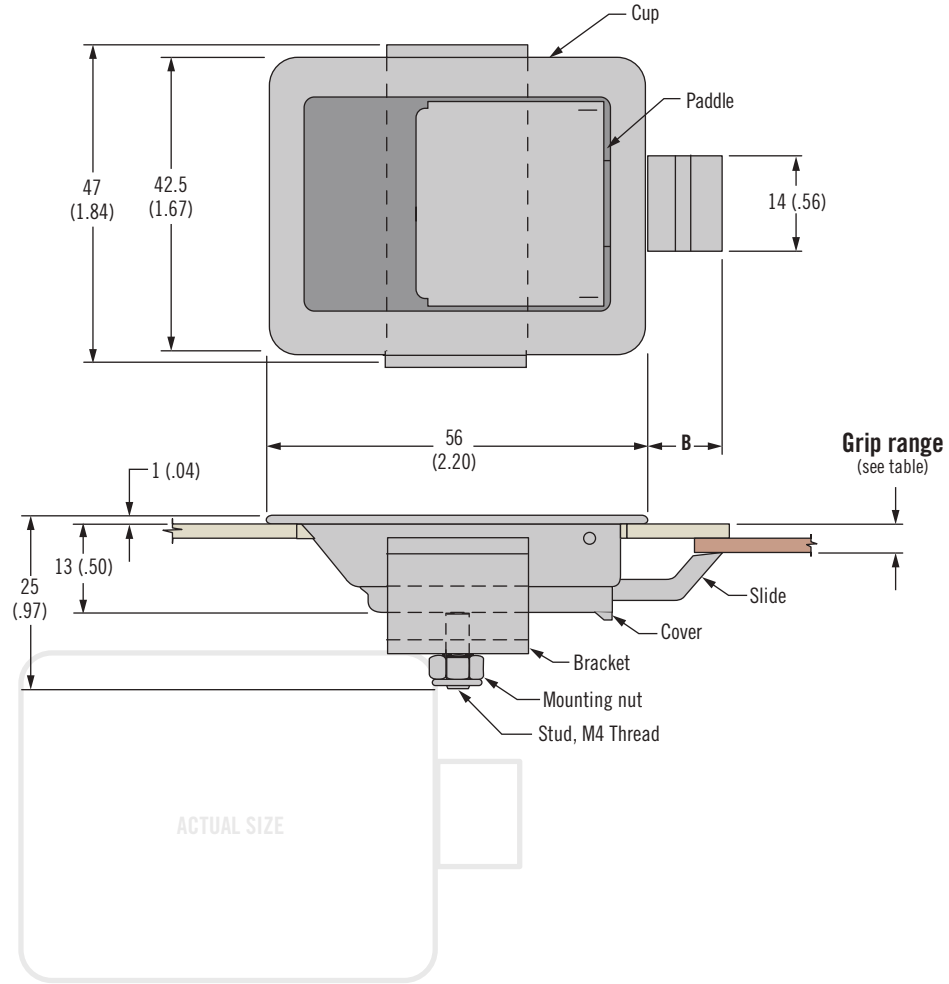
- Single hole installation
- Concealed mounting
- Metal slide

### Material and Finish

Stainless steel passivated and brushed or black powder coated, steel, chrome plated

### Performance Details

Max. working load: 222 N (50 lbf)



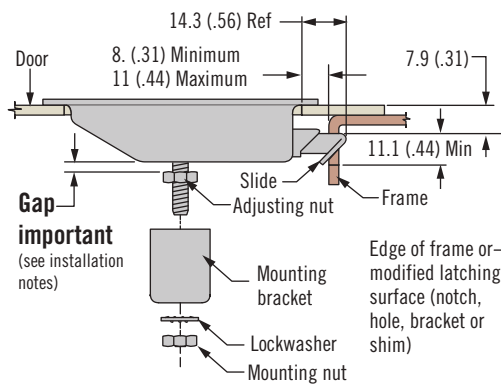
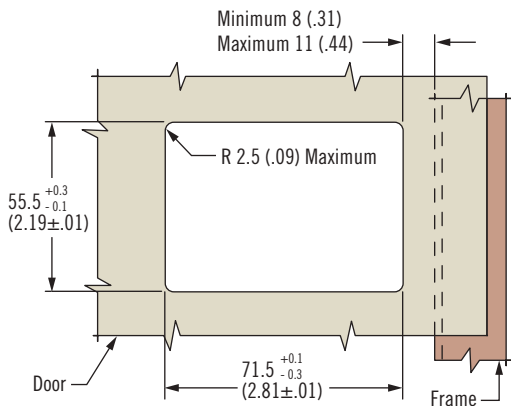
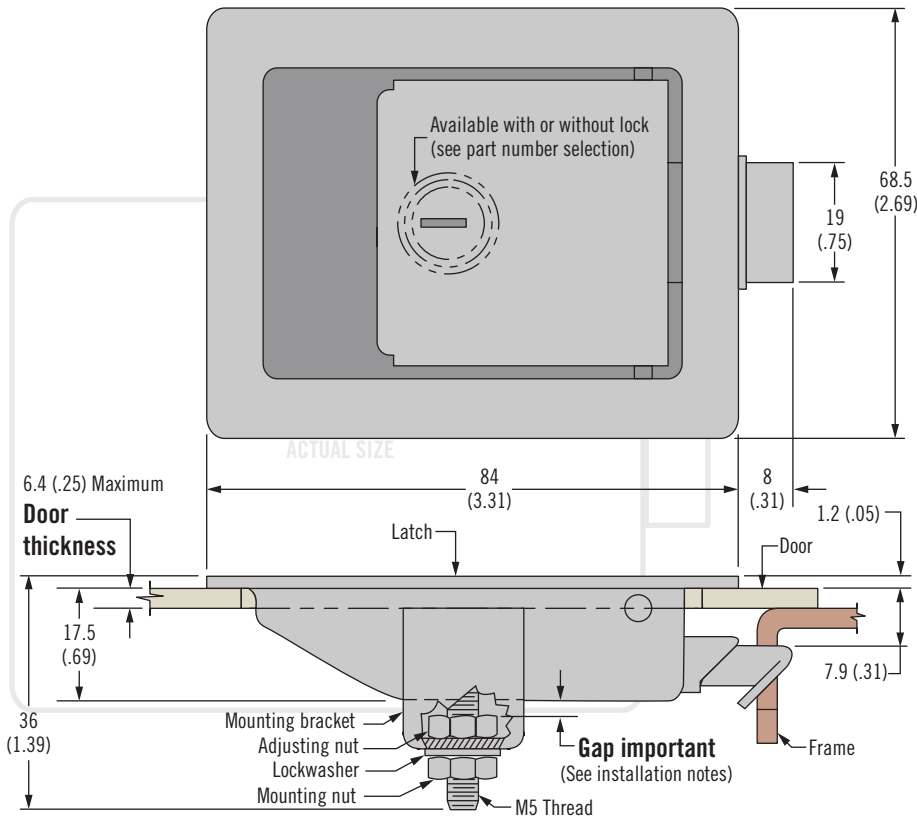
### Part Number

See table

Grip Range		Part Number		A		B
Min.	Max.	Stainless Steel, Brushed	Stainless Steel Black Powder coated	Min.	Max.	
1.2 (.05)	2 (.08)	64-11-10	64-11-12	10.4 (.41)	12.7 (.50)	11.5 (.45)
2 (.08)	2.8 (.11)	64-11-20	64-11-22	11.2 (.44)	13.5 (.53)	11.9 (.47)
2.8 (.11)	3.6 (.14)	64-11-30	64-11-32	11.9 (.47)	14.2 (.56)	12 (.48)

# 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Medium



- Single hole installation
- Concealed mounting
- Metal slide

## Material and Finish

Stainless steel brushed, steel, zinc plated or steel, black powder coated or silver

## Performance Details

Max. working load: 570 N (125 lbf)

## Installation Notes

Measure your door thickness and set adjusting nut so that GAP is equal to door thickness within plus 0.8 (.03), minus 0.0 (.00)

## Accessories

Flat key, keyed alike H571 (2 keys per ring)  
Part number: 64-0-33578

## Part Number Selection

64 - 2 **L** - 1 **M**

### L Lock style

- 1 Non-locking
- 2 Key-locking keyed alike H571 (2 Flat keys supplied)

### M Material

- 0 Stainless steel, brushed
- 1 Steel, black powder coated
- 3 Steel, zinc plated
- 5 Steel, powder coated silver



# 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Large

- Single hole installation
- Concealed mounting
- Metal slide

### Material and Finish

Stainless steel, brushed, steel, zinc plated or steel, black powder coated

### Performance Details

Max. working load: 1110 N (250 lbf)

### Installation Notes

Measure your door thickness and set adjusting nut so that GAP is equal to door thickness within plus 0.8 (.03), minus 0.0 (.00)

### Accessories

Flat key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01



Overmoulded key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01-05

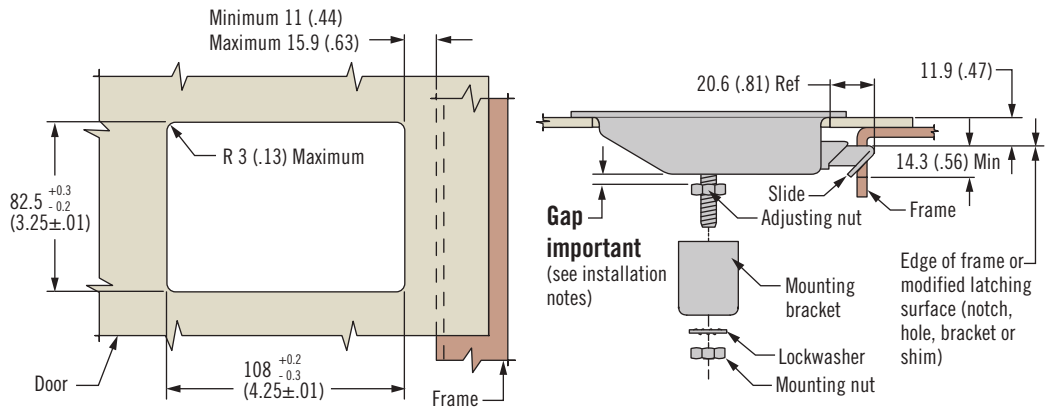
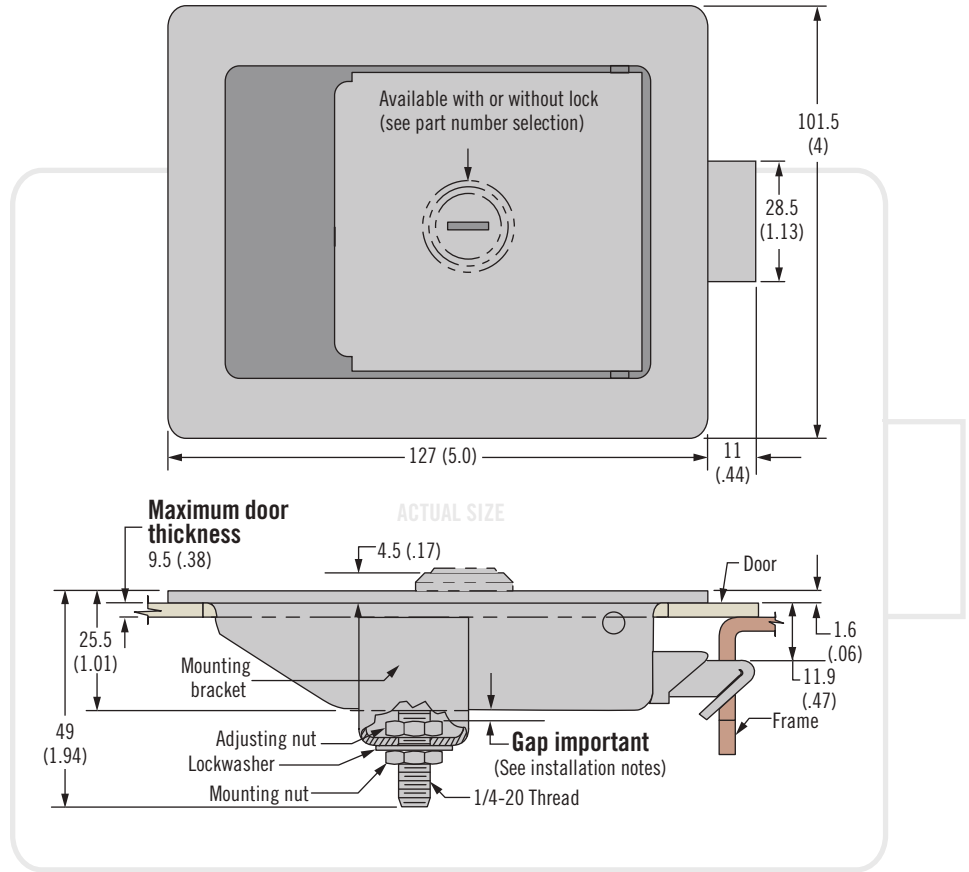


### Part Number Selection

**64 - 10 - 30** **L** - **M** **O**

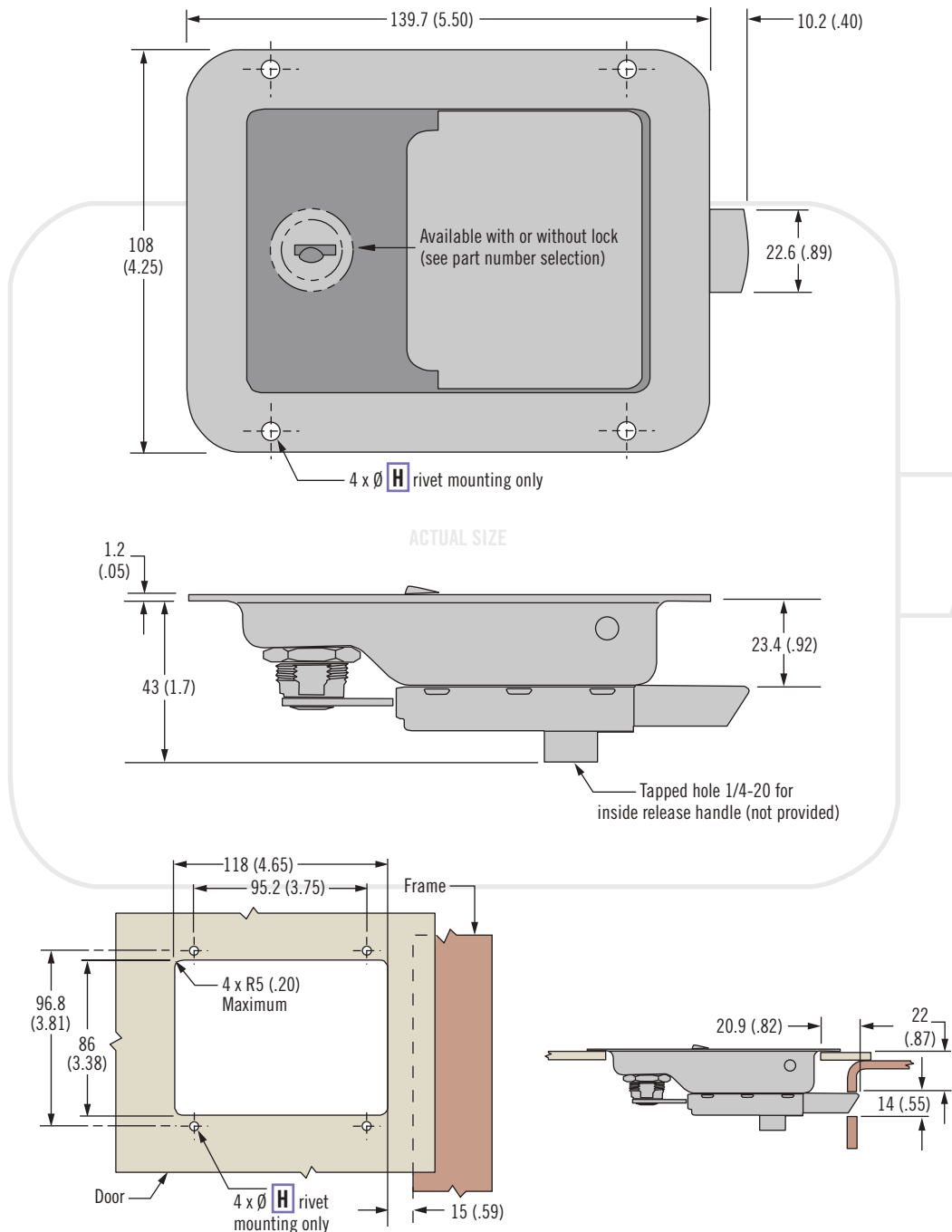
**M** Material  
 4 Steel, zinc plated  
 5 Stainless steel brushed  
 9 Steel, black powder coated

- L** Lock style  
 1 Non-locking  
 2 Key-locking keyed alike CH751 (2 Flat keys supplied)



# 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Large



- Single hole installation
- Multiple mounting styles
- Inside actuation in locked or unlocked position



### Material and Finish

Stainless steel, polished, steel, zinc plated or steel, black powder coated

Slide bolt and lock assembly:  
Zinc plated or powder coated

### Performance Details

Max. working load: 560 N (125 lbf)

### Accessories

Flat key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01



Overmoulded key, keyed alike CH751  
(2 keys per ring)  
Part number: PK-10-01-05



### Part Number Selection

**64 - 50 - 4 L H - M**

**M Material**  
 10 Steel, zinc plated  
 20 Stainless steel polished  
 50 Steel, black powder coated

**L Lock style**  
 0 Non-locking  
 1 Key-locking keyed alike CH751 (2 Flat keys supplied)

**H Housing**  
 0 Weld  
 1 Rivet through hole 4.9 (.19)  
 2 Rivet through hole 5.2 (.20)



# 64 Push-to-Close Latch

Pull-to-open · Paddle latch · Heavy-duty pivot

- Robust design resists binding from dirt and debris
- Multiple mounting styles

## Material and Finish

Steel, zinc plated or black powder coated

Slide bolt and lock assembly:  
Zinc plated or powder coated

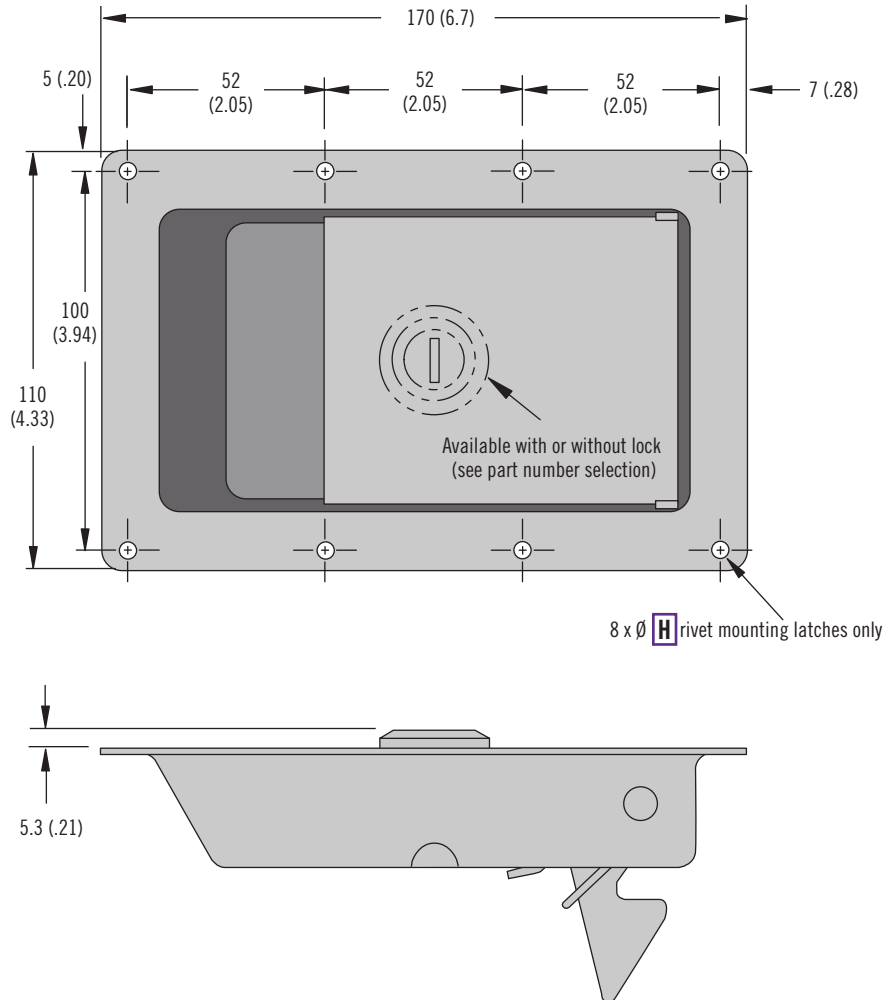
## Performance Details

Max. working load: 2700 N (607 lbf)

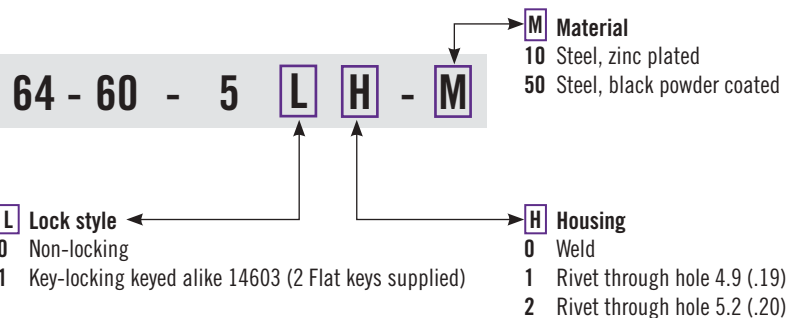
## Accessories

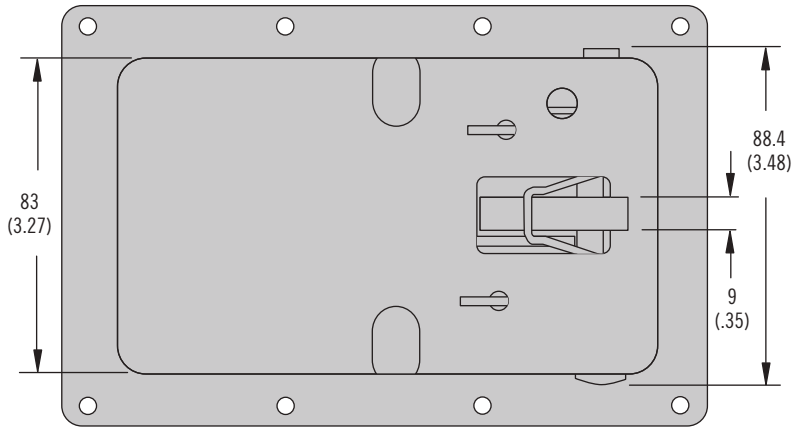
Flat key, keyed alike 14603  
(2 keys per ring)

Part number: PK-10-01-14603

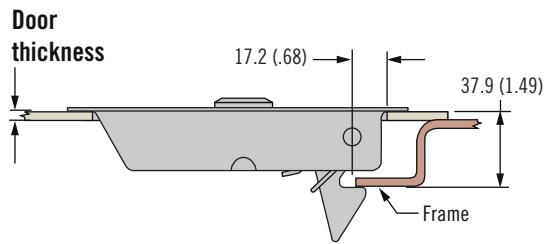
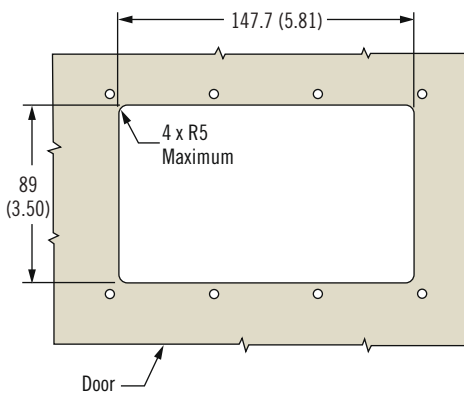


## Part Number Selection





ACTUAL SIZE



# ACCESS HARDWARE

## MT Pin · Push-to-Close Latch

B

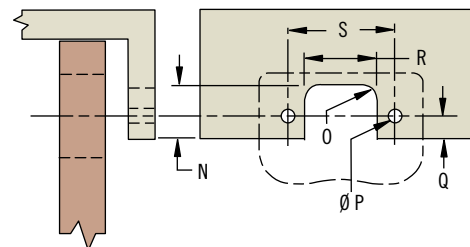
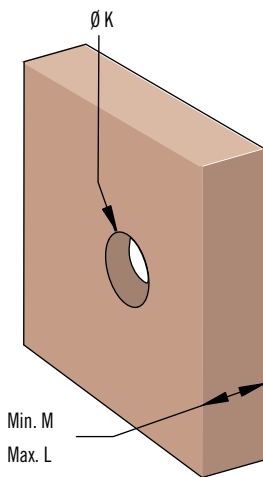
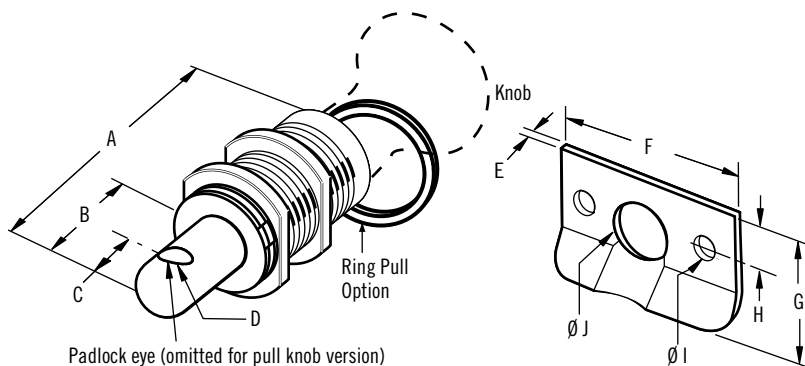


**DOOR THICKNESS RANGE:**  
**3 - 19MM (1/8" - 3/4")**

The Pin-Latch compartment latch is designed for concealed latching of cabinets and compartments.

**It features:**

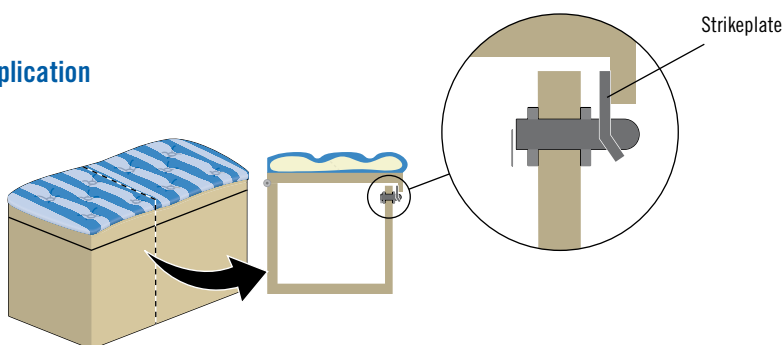
- All marine-grade stainless steel materials for superior corrosion resistance
- Padlock eye and ring for added security
- Assembly includes latch and striker plate



Type	Door thickness	Part Number
Ring Pull	3-19mm (1/8-3/4")	MT-04-11-24
Knob	3-19mm (1/8-3/4")	MT-99-12

	Imperial		Metric
	Nominal	Decimal	
A	2 16/64	2.19	56
B Ring	55/64	0.88	22
B Knob	11/16	0.67	17
C	17/64	0.28	7
D	1/4	0.26	6.5
E	3/64	0.06	1.5
F	2	2	51
G	1 11/32	1.34	34
H	15/32	0.47	12
I	11/64	0.17	4.4
J	37/64	0.57	14.5
K	25/32	0.82	20
L	47/64	0.75	19
M	7/64	0.12	3
N	35/64	0.55	14
O	5/16	0.31	8
P	11/64	0.177	4.5
Q	3/16	0.2	5
R	25/32	0.79	20
S	1 5/16	1.29	33
T	1/2	0.5	12.5

**Application**





# M5 Push-to-Close Latch

Pull-to-open – Magnetic Catch

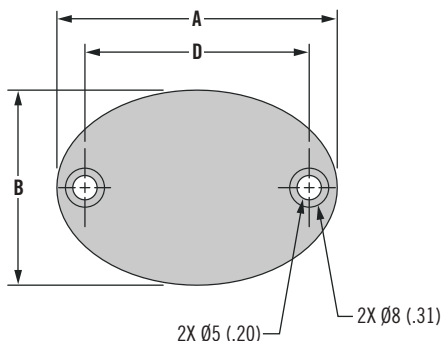
- 316 Stainless Steel
- Range of holding powers
- Adjustable swivel catch

### Material and Finish

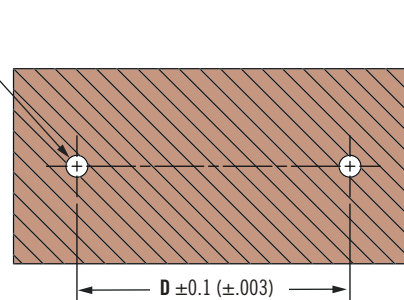
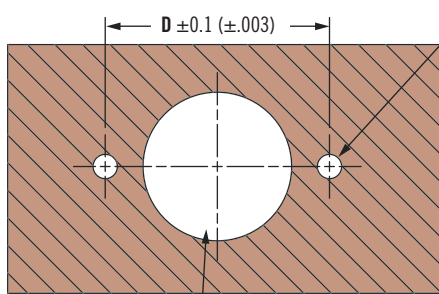
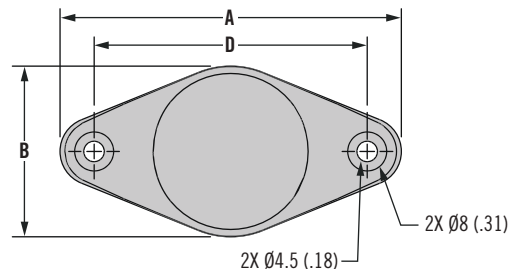
Catches: 316 Stainless Steel  
 Magnet: NdFeB  
 Rubber Bumper: Buna, Black  
 Screws: 304 Stainless Steel



Flush Style Fixed Catch



Proud Style Fixed Catch



Minimum Hole Diameter E  
 Minimum whole depth F

### Fixed Catches

Part Number	Style	Strength	A	B	C	D	E	F
M5-7 <b>M</b> -41-8	Flush	Low	57.5 (2.26)	40 (1.57)	14 (.55)	46 (1.81)	21.5 (.85)	13.5 (.53)
M5-7 <b>M</b> -61-8		High	57.5 (2.26)	40 (1.57)	19 (.75)	46 (1.81)	31.5 (1.24)	18.5 (.73)
M5-7 <b>M</b> -42-8	Proud	Low	46.5 (1.83)	27 (1.06)	15.2 (.60)	34 (1.34)		
M5-7 <b>M</b> -62-8		High	70 (2.76)	35 (1.38)	19 (.75)	56 (2.20)		

**M - Magnetic Polarity**  
 N = Negative  
 P = Positive

### How to order:

A complete set consists of a positive fixed catch and a negative fixed or swivel catch. Select catches to meet the needs for mounting style and strength.

### Step 1

Select catch strengths.

Magnetic strength of combined catch guidelines		
Nominal Hold	Catch 1 Strength	Catch 2 Strength
50 N (11 lb.)	Low	Low
69 N (15 lb.)	Low	High
118 N (26 lb.)	High	High

### Step 2

Select a negative catch style to fit your application.

Options:  
 Fixed Flush or Proud  
 Swivel Low Profile or Adjustable Height  
 Use "N" in 4th character of part number.

### Step 3

Select a positive catch style to fit your application.

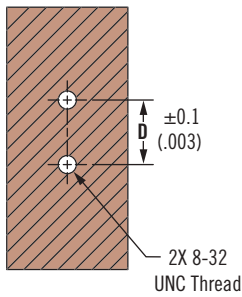
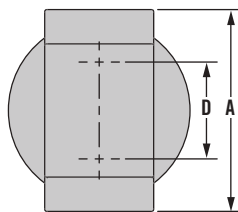
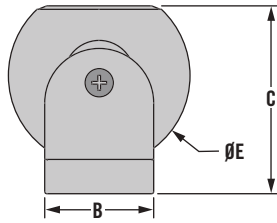
Options:  
 Fixed Flush or Proud  
 Use "P" in 4th character of part number.

# M5 Push-to-Close Latch

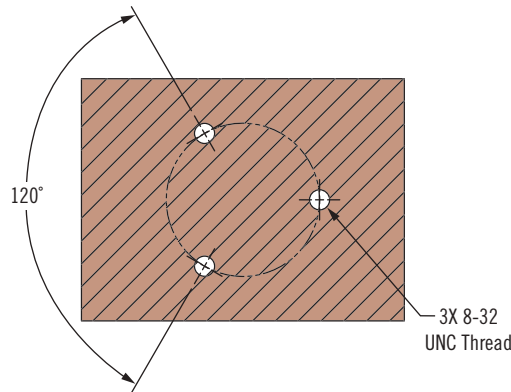
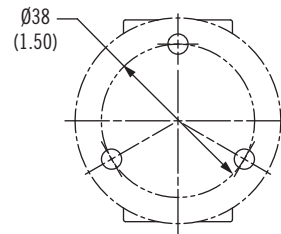
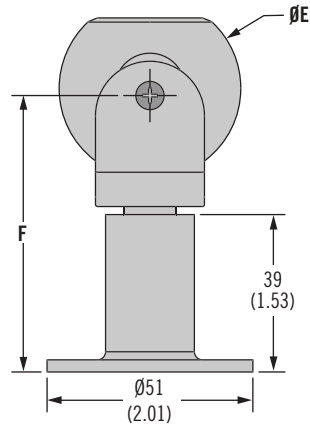
## Pull-to-open – Magnetic Catch



**Low Profile Swivel Catch**



**Adjustable Height Swivel Catch**



**Low Profile Swivel Catch**

Part Number	Strength	A	B	C	D	E
M5-7N-43-8	Low	37 (1.46)	18.5 (.73)	32 (1.26)	16 (.63)	Ø32 (1.26)
M5-7N-63-8	High	50 (1.97)	27 (1.06)	46.7 (1.84)	24 (.94)	Ø45 (1.77)

**Adjustable Height Swivel Catch**

Part Number	Strength	E	F Min	F Max
M5-7N-44-8	Low	Ø32 (1.26)	60 (2.36)	89 (3.50)
M5-7N-45-8	Low	Ø32 (1.26)	75 (2.95)	101 (3.98)
M5-7N-65-8	High	Ø45 (1.77)	68.5 (2.70)	95 (3.74)